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# DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIV

NEW YORK, JANUARY 2, 1924

NUMBER 1

## MONSANTO

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MONSANTO: Specializing in fine and medicinal chemicals

**In This Issue** { *Cutting Down Illicit Narcotics*  
*Benzene Compared With Gasolene*

# Carbon Tetrachloride



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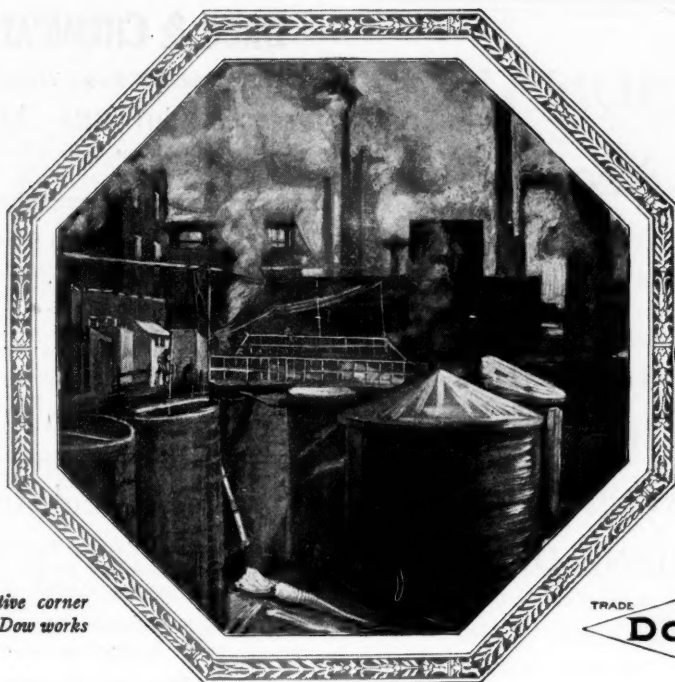
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New York, N. Y.



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## The Week in Brief

Eighty per cent reduction in illegal use of narcotics in ten years, according to Col. L. G. Nutt, chief of the Federal Narcotic Control Board.

Another long list of chemical stocks sold at auction in preparation for income tax statements, to prove losses.

Essential oils have been in active demand during the week in spite of the holiday season. Oils bois de rose and finaloe are scarce and little material is coming forward.

Fine chemicals will be quiet during the holidays and inventory season, but prices refuse to ease off. Mercury is quoted lower.

Higher prices for phenol owing to scarcity and a lower market in benzene are features in coal-tar crudes. Intermediates are marking time in awaiting developments in dyes.

Vegetable, animal and fish oils are firm owing to small stocks.

Under the new agreement with France, the German Dye Kartel has increased its output of colors and will fight for the world trade in dyes.

Fertilizer makers report increased buying in the South.

A director in the German Potash Syndicate says an agreement with France, on industrial lines is being considered, and is the only solution of the reparations question.

British perfume manufacturers complain of sharp competition by French makers who are offering products at prices less than the cost of manufacture in England.

Little activity in the heavy chemical market during the week due to the holiday and inventory seasons.

Crude drugs have been active for delivery after the turn of the year. Dandelion root is quoted at 35c/lb. "to arrive." Ipecac root has eased off.

Dr. Leo Hendrik Baekeland elected president of the American Chemical Society, succeeding Prof. E. C. Franklin, of Leland Stanford University.

Tariff Commission begins work on the dye census and is mailing a questionnaire to manufacturers.



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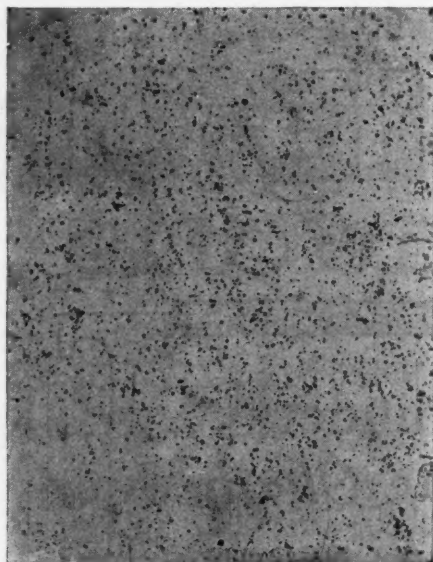
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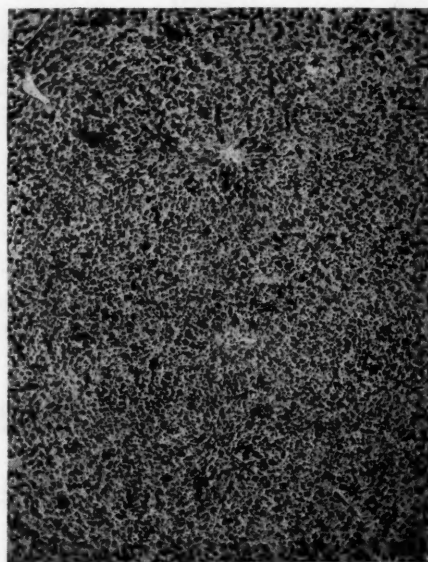
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Liquid Chlorine-Caustic Soda*

*Sesquicarbonate of Soda  
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*Micro-photograph showing the dispersion  
the carbon taken from Barrett Carbonex—  
1,500 magnification.*



*Micro-photograph of Barrett Carbonex com-  
pounded with rubber—15% Carbonex—  
57% Smoke sheets—28% Sulphur.*

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New York, N. Y.

# DRUG & CHEMICAL MARKETS

VOLUME XIV

[JANUARY 2, 1924]

## GERMANY TO CONTROL THE TRUSTS

Germany is struggling with the trust question, and the Government has proposed a measure providing for a special court to try cases where the public interest is involved. When production or sales are restricted without sufficient economic reasons, or prices are advanced unreasonably, or kept at a high level, or exorbitant surcharges are made to cover risks in quoting prices in gold marks, the court will take cognizance of a complaint and hear the evidence. The Minister for Economic Affairs may demand all documents relating to the matter, even contracts of trusts or syndicates that may be detrimental to trade or industry. The Minister is given authority to enjoin companies and prevent the operation of agreements until the case is heard.

The purpose of the bill is to check unfair prices or conditions and encourage competition. The court is given power to cancel contracts entered into by business firms when proof is presented that the contract is unfair to either side or against public policy. By a curious combination of circumstances the measure is approved by the syndicates and is likely to pass. This is due to the fact that home markets are becoming restricted owing to the depression, and there will be severe competition for foreign trade. While some features of the Sherman Anti-Trust Act and the Clayton Act are incorporated in the German measure, the administration of the law is placed in the hands of the Minister for Economic Affairs who has power to act in the premises to suspend operations of syndicates that are injurious to trade before final decision by the court. The establishment of a separate court will expedite cases and eliminate long delays incident to congested court calendars in the United States.

## BENZENES AND GASOLINES

Differences in price between industrial benzenes (nitration, pure and 90 per cent) and gasoline have decreased over the past year, and this decrease between the two has been the combined result of several factors. An increased production of benzene at previously existing refineries due to a prosperous steel industry, a material increase in the number of by-product coke ovens by means of which benzenes are produced, a decreased activity over the last half of this year in industries using industrial benzenes meaning a decreased demand, and finally an increase in the number of sellers offering benzenes resulting in increased competition for such industrial business as has been available have each had their effect. Each of these influences has tended to reduce benzene prices as compared with gasoline, and taken together have actually brought

the prices of industrial benzenes closer to that of gasoline than at any other time since the war. All of this is entirely aside from the fact that there has been a long depressed gasoline market which would naturally tend to lower benzene prices though this influence, of itself, would not have affected the price difference between the two.

The relation between the two markets is a close one. So-called motor benzene is a better motor fuel than gasoline. It is refined wide-distillation range material including benzene, toluene and more or less solvent naphtha. While relatively new in this country it is an old story on the continent, particularly in England, France and Germany. If all the benzenes produced here were marketed as motor fuel, the total quantity produced is so small as compared with our gasoline consumption that the total quantity of gasoline consumed would hardly be noticeably affected. Obviously, then, the big market for benzenes is as a motor fuel, and the market price of gasoline is the starting point for determining the market value of industrial benzenes, other things being equal.

In that it costs more to refine industrial benzenes than to make motor benzene, the former will always bring some premium over the latter, otherwise it is clear that all benzenes would flow into the fuel market. The extent of the premium will depend directly upon supply and demand for industrial benzenes. A quiet steel industry or a protracted coal strike might so curtail production as to make benzene almost unobtainable at any price, while a dormant dye industry or a general curtailment of rubber manufacturing might at least prevent any price advance, if they did not cause recessions in prices.

While benzenes will, of course, have their fluctuations in the future as heretofore, in general it can be said that, as long as internal combustion engines are in vogue and present fuels are used in quantity, a premium over gasoline is assured for benzene, and an advancing gasoline market will inevitably mean an advancing benzene market. A falling gasoline market conversely may mean a falling benzene market; but this will not always be so unless such a falling market in gasoline is pronounced, resulting as last year, in low priced gasoline over a period of sufficient duration to offset any possible counteracting tendencies in the benzene situation itself.

Buyers of industrial benzenes must always bid against the fuel market for supplies. The next turning point in the market is apparently not far distant, if not already here. It is significant that we have apparently started to enter a rising gasoline market and that the demand for benzene for motor fuel is ever increasing.



### THE ROVING CHEMICAL SPECULATOR

The roving speculator is playing havoc with the chemical business, especially in the importing field. Without any apparent regard to the needs of consumers and the number of sellers competing for orders, large lots are constantly brought in with the idea that a miracle might happen and a profit be realized from the transaction, just because these goods are purchasable at a price that the speculator considers a low figure. When the material is imported, the market is looked over casually, and if there happens to be no one to buy immediately, the importer dumps the goods for whatever he can get. Repeated operations of this kind keep the market upset. If one item shows marked activity, buyers are swamped with offers from all directions, each a shade under the previous offer in the hope of getting the business.

American manufacturers are not inclined to change from one item to another owing to the length of time it takes to begin the manufacture of a new chemical, but the speculating importer finds it easy to switch from one product to another. Thorough study of the market's requirements is not included in these importers' methods of doing business.

The suggestion of Prof. J. H. James, of Carnegie Institute, that textile manufacturers make their own dyes, opens up a question of vital interest to the American producer who jumped into the breach during the war, spent a fortune in experimenting and research to supply colors needed by the mills that were on the verge of closing. Even the Government went begging for dyes for the post office and treasury departments. Should all the leading consuming industries in the country—leather, rubber, paper, textiles, etc.—adopt the plan, the readjustment might prove costly to the investor who put his all into dyes, unless present plants could be sold to advantage to the new groups. If the suggestion is applicable to dyes, why not to heavy chemicals? Glass manufacturers could make soda ash, and consumers of sulfuric and other acids in large quantities might combine on similar lines. What has the future in store for these great industries?

About 18,000,000 pounds of "sodatol," a mixture of trinitrotoluol (TNT) and sodium nitrate, a surplus explosive owned by the Government, will be distributed by the Bureau of Public Roads for road building and agricultural blasting. The only expense will be the charging in cartridges and freight. This is another use to which the weapons of war can be put to peace time activities. Millions of pounds of phenol, used in the manufacture of picric acid, a high explosive, and which were in the hands of the Government at the close of the war, have long since been consumed. Surplus stocks of sodium nitrate used in the manufacture of explosives have gradually found their way into the farmers' fields as fertilizer or into peaceful chemical consumption. Munitions have been turned into

dyes, medicine and clothing. Muscle Shoals will eventually turn out fertilizers from the air.

"Germany" was the label on the paper hats worn by seventy-five members of the Salesmen's Association of the American Chemical Industry at their annual Christmas party held last Thursday evening in New York. Not only that, but the colors with which the hats were enlivened, imparted beautiful hues of orange, green, and red to the foreheads of their wearers, giving many the appearance of Indians about to take the war-path. If about ten million of these paper hats could be distributed to American business men all over the country to wear upon some such occasion as a Christmas party, or New Year's eve,—what a wonderful advertisement for American colors.

Vol. XIII is done and gone. Thank all our lucky stars! and welcome Vol. XIV.

### *Many Men: Many Minds*

"We shall meet the competition of other trading nations that feel, as we do, the necessity of expanding their trade. For the present, as long as conditions of inflation continue, especially among the more active of the industrial nations, we suffer under the handicap of their lower production costs. This is particularly true of Germany, where, in the last few years, the chief industrial plants have paid off their bonds and mortgages in depreciated currency and are free from that important element of overhead."—James A. Farrell, president of the United States Steel Corporation.

Treasury statistics showing the extent that taxes may be reduced, if the bonus be discarded, at once aroused hearty acclaim in all parts of the country, says Irving Bank-Columbia Trust Co. No argument is needed to show that all business would benefit from a lightening of the supertax burden, through lessening the inducement to invest in tax-free securities. The quickening effect of this additional current of capital, which would flow into business investment channels, might make itself felt almost at once upon a widening circle of industries.

Samuel Insull, president, People's Gas Light & Coke Co., Chicago, says: "The decision of our directors to increase the dividend rate is in accordance with the fixed policy of sharing the benefits of increased efficiencies and economies between stockholders and customers. A short time ago customers were given a decrease in rates. Now the owners of the property are being rewarded. The excellent present condition of the company and the record it is making both for stockholders and customers is due in no small part to the fine organization which has brought the company's physical properties, loyalty and efficiency up to high standards."

The Chemical Exposition to be held in New York, Sept. 28, to Oct. 3, 1925, marks the tenth anniversary of the original exposition held in 1915. It is estimated that 50 to 75 per cent of the chemical business of the United States is now done in New York, through the New York offices of American manufacturers, and that three-quarters of the chemical imports come in through the port of New York, making the city the center of the world's chemical trade, and marking it as the logical point for the exposition.



# Cutting Down the Illicit Narcotics

*Col. L. G. Nutt, Federal Control Board, Tells of Eighty Per Cent. Reduction in Illegal Use in Ten Years*

**"NO QUESTION** exists in my mind, that drug addiction in the United States is decreasing steadily. If the legal use of narcotics is any criterion, and I believe it is, consumption of habit forming drugs illegally has fallen off sharply. In the fiscal year 1923, ending June 30, 1923, 136,000 pounds of opium were imported and dispensed in the United States. The average for the period 1910-1915 was 471,000 pounds per annum. At the same time, the population of this country increased fifteen or twenty millions over this period. I should estimate that the legal and illegal use of opium derivatives has fallen off about eighty per cent in the past ten years." This was the

response of Colonel L. G. Nutt, chief agent for narcotic control, U. S. Bureau of Internal Revenue, when interviewed by a representative of DRUG & CHEMICAL MARKETS in his Washington office, to the question, "Is narcotic addiction increasing or decreasing to-day?"

Due to the widespread publicity given to the consequences of addiction, the activity of agents under the Harrison Act, the separate enforcement of the narcotic law for the past three years by a unit for this especial purpose, the aid of the various state laws, and the more sympathetic attitude of the courts toward the enforcement of the narcotic law, all have aided in cutting down the illicit use of habit forming drugs, according to Colonel Nutt. The record of convictions has also helped to place a damper on narcotic peddling and smuggling, he said. Of 7,201 criminal cases under the Harrison Act in 1922, 4,479 were tried, 4,194 men were convicted. The Narcotic Section has been concentrating on the narcotic peddler and trafficker, and by bringing the extent of the traffic to light, has awakened public consciousness to the possibilities of this menace, said Colonel Nutt.

When asked where the bulk of illicit narcotics which get into the underworld traffic in this country, comes from, the chief of the Narcotic Section, stated that well over ninety per cent is smuggled in from Europe, through Canada, and the West Indies. Only in a small

*As secretary of the Federal Narcotic Control Board, and chief of the Narcotic Section, Bureau of Internal Revenue, Colonel Nutt's power in things narcotic, is almost absolute. He is the commander-in-chief in the enforcement of the Harrison Act in the United States to-day. All narcotic matters of moment must pass through his hands for O.K. After a study of years, he knows the narcotic problems of the world from A to Z. When he states that there has been an 80 per cent reduction in the use of narcotics illegally in the U. S. during the past ten years, and that 90 per cent of all illicit narcotics here is smuggled in, it is quite certain that these facts are so.*

percentage of cases are goods of American manufacture picked up in illegal channels by Government agents. Narcotics in original packages, seized from smugglers and peddlers, are mostly of Swiss, German, Japanese, and Portuguese origin, Colonel Nutt said, as it is easier to secure the goods in these countries under the present laws.

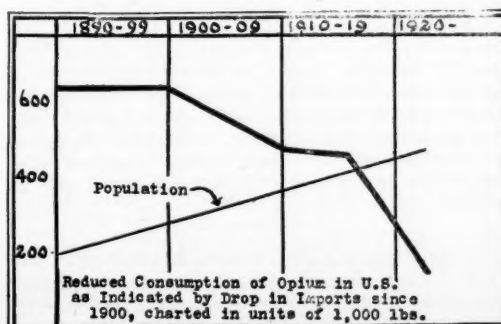
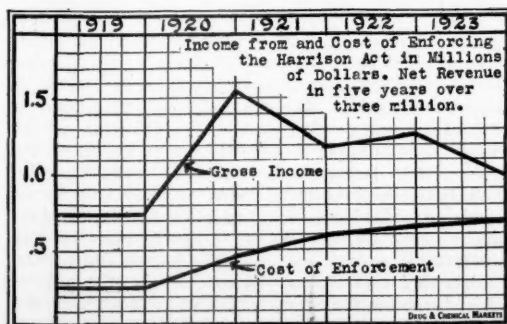
## How 90% Is Smuggled In

In describing some of the methods used to smuggle the goods into the United States, the narcotic enforcement chief revealed the cleverness of the gangs engaged in the traffic and difficulties which the Government agents have had in running them down. For some time, large shipments of morphine and diacetylmorphine were shipped

from Cuba packed in guava jelly. The jelly was run into boxes and in the center of the opaque mass, usually a cigar box or other small box filled with bottles of opium derivatives, was placed. At peddlers' prices, several thousand dollars worth of narcotics could be smuggled in each case by this method. The detective work was done by U. S. agents at the shipping point in Cuba who were able to spot suspicious jelly shipments after lining up the traffic of narcotics into and out of Cuba.

A particularly clever attempt at smuggling was made by a gang of narcotic peddlers who shipped their illicit material enclosed in hollow statuary. The statues were filled with narcotics, sealed and weighted to appear solid. By checking at the source, this plot was unearthed. Another shipment of morphine sulfate, shipped from Basle to the United States, enroute to Canada, was labelled "glow lamps." When the Government agents investigated the so-called "glow lamps", they found about 25,000 ounces of morphine. Other attempts at smuggling, Colonel Nutt said, have made use of bales of hay, automobile tires, bales of rags, barrels of olive and other oils, barrels and kegs of various other materials in which the small bulk of the narcotics made them easy to secrete.

In addition to the smuggling in of morphine, heroin, and cocaine hidden in apparent bona fide shipments of



merchandise, which is almost without limit in its possibilities for the ingenious smuggler, particularly in view of the ease with which a few hundred dollars worth of narcotics can be hidden, the Government agents have to contend with personal smuggling. Some material is brought in hidden among clothing in bags, in trunks with various devices intended to deceive customs officers, and on the persons of the smugglers. Some is run in from Canada and Mexico, much as in the case of contraband liquor only with far less chance of detection. Certain classes of sailors from all parts of the world have always been offenders in this traffic.

Colonel Nutt mentioned Canada and stated that they are facing an identical problem in the Dominion. Contraband smuggled into the United States is sometimes carried on into Canada, while the reverse is frequently the case. Officials of the Canadian Government are co-operating fully with the U. S. Bureau of Internal Revenue and the border traffic in narcotics has been cut down as a consequence.

#### Credits American Manufacturers

Full credit to the American manufacturers of narcotics was also given by Colonel Nutt. Throughout the past few years under the Harrison Act, the manufacturers have co-operated even further than the extent required by law in aiding the Narcotic Section to suppress the illicit traffic. The fact that only a small proportion of confiscated narcotics have been found to be of domestic make, and these mostly stolen or sold illegally after leaving makers' hands, is proof of the attitude of American producers, he stated. This has aided the Government greatly in enforcing the law, and has forced peddlers to turn to smugglers of foreign narcotics for their supplies since the passage of the Harrison Act. Narcotic enforcement as a consequence has become ninety per cent combating smuggling.

To show how conditions have improved during the past thirty odd years, Colonel Nutt pointed out the imports of opium as compared with the population of the country. From 1890 to 1899, an average of 630,000 lbs. annually was imported for a population of 63,000,000. From 1900 to 1909, an average of 480,000 lbs. annually came in with a population of 76,000,000. From 1910 to 1915, as stated before, 471,000 lbs. per year for a population of 92,000,000, was used. For the fiscal year 1923, 136,000 lbs. for a population of 110,000,000, was imported. During the past five years, 1919-1923 inclusive, revenue from the Harrison Act netted \$3,008,108 over and above cost of administration. Total income was \$5,677,585 and expenditures \$2,669,476.

#### CHEMICAL SALESMEN DISTRIBUTE GIFTS

Gifts for each member of the Association were distributed by Santa Claus at the annual Christmas Party of the Salesmen's Association of the American Chemical Industry, held at the Builders Club, New York, Dec. 27. About seventy-five attended, the party being for members exclusively. In addition to the distribution by Santa, which included many appropriate articles, in a number of instances samples of competitors' goods, a vaudeville entertainment was put on. No speakers were scheduled for the party, the only address being made by President Ralph E. Dorland, welcoming the members and thanking the entertainment committee composed of George Ashworth, Williams Haynes, and A. J. Binder.

Arkansas Bauxite Products Co., Little Rock, Ark., will construct a plant for the production of aluminum sulfate. The plant is estimated to cost about \$40,000. George W. Goodman is secretary and treasurer.

### Business Brevities

A proposal to subsidize the production of air nitrates in order to aid the farmers of the country, has been submitted to Congress.

Stein, Hall & Co., New York, starches and heavy chemicals, announce that they have reduced capitalization from \$2,650,000 to \$2,000,000 owing to the reorganization plan which makes the par value of stocks \$25 a share instead of \$100.

J. A. J. Wynmalen, of Polak & Schwarz, Zaandam, Holland, recently sailed for home on the S.S. Rotterdam after visiting this country for about nine months. While here he made his headquarters with Wangler-Budd Co., successors to Julian W. Lyon & Co.

Dr. John Arthur Wilson, chief chemist for Gallun & Sons Co., Milwaukee, will talk on "Leather," at the meeting of the New York Section of the American Chemical Society, Friday evening, Jan. 4, at Rumford Hall, 50 East 41st st., New York. Classes of students from Columbia and from Pratt Institute will attend.

The Copper Export Association, which was formed in 1919 under the Webb Act to assist producers in selling abroad, is to be disbanded owing to the withdrawal of American Smelting and Refining Co., which refuses to export its copper through the central selling agency. The Association now exports about 50 per cent of the copper produced in the United States.

Pedro J. Lemos, curator of the Leland Stanford, Jr., Memorial Museum, Palo Alto, Cal., has perfected a process of giving permanent color to decorative tiles, cement blocks and plaster work. The chemical is called Petroma, and is worked into the cement or plaster at the mixing, instead of being brushed on like ordinary tints. The formula has been sold to the American Crayon Co.

Robert Bentley, director of Youngstown Sheet & Tube Co., is a leader in the incorporation of the American Copperas Co. which owns a process for the reclamation of sulfuric acid from steel sheet pickling liquid. The company is incorporating with 20,000 shares of no par value stock under the laws of Delaware. The process is the invention of Henry S. Marsh and Ralph Cochran, chemists of the Sharon Steel Hoop Co.

An export tax of one cent per gallon on all molasses and "meladura" exported from Cuba, and a bounty on the exportation of all alcohol, natural, denatured, or blended as motor spirit, of 60 per cent or more alcohol content, has been proposed in the Cuban Congress, says a report from Trade Commissioner Frank E. Coombs, Habana. The bounty on the exportation of alcohol would be figured on the basis of 4 cents per gallon of pure alcohol.

The Census Bureau is collecting statistics of manufactures for 1923. The schedules have been prepared after conference with the associations and others interested in the various industries. The schedules will be mailed to the manufacturers on Jan. 2 and the Director of the Census is very anxious to publish the statistics at the earliest possible date in order that they may be of the greatest possible commercial value. Manufacturers of chemicals and allied products are urgently requested to forward reports to the bureau at the earliest possible date, before the end of January. The bureau has agreed to tabulate the results as rapidly as the schedules are received and publish the totals within a few days after the receipt of the last report.

# Tax Changes Proposed in Mellon Bill

**Reorganization Provisions of Present Law Affecting Corporations Rewritten—Capital Gain and Loss Paragraphs Revised—Sections Affecting Transfer of Assets by Corporations Changed—Normal Income Tax Would Be 3 Per Cent—Surtaxes Reduced—Penalties for Delinquencies More Favorable When There Is No Evidence of Fraud**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 2—The tax bill submitted by Secretary Mellon contains many new provisions affecting corporations as well as individuals. One of the principal revisions provided in the bill is a reduction of surtax rates, so that the surtax would begin at 1 per cent on net incomes from \$10,000 to \$12,000; would provide an additional 1 per cent for each additional \$2,000 up to \$36,000; 1 per cent additional for the next \$4,000, and would then add 1 per cent for each \$6,000 up to a maximum of 25 per cent on net incomes of \$1,000,000 or more.

Under the present law surtaxes begin at 1 per cent on net incomes between \$6,000 and \$10,000 and scale upward to a maximum of 50 per cent on net incomes exceeding \$200,000.

## Normal Tax on Incomes

The new bill also provides that the normal tax on incomes shall be 3 per cent where it is now 4 per cent and 6 per cent where it is now 8 per cent—a reduction which the Treasury estimates will result in a loss of revenue of \$91,600,000 a year.

Provision is made in the bill that 25 per cent of "earned income", which is defined as wages, salaries and professional fees, shall be counted as exempt in computing income tax returns. The greater part of this exemption is expected to fall to those having small incomes, with the result that the Treasury expects a reduction of \$97,500,000 from this section.

## Repealing Nuisance Taxes

The bill proposes the repeal of the present taxes on telegrams, telephone and radio messages, theatre admissions and certain other "nuisance taxes," including the levies on silver plate, flat silverware, pencils and fountain pens selling for not more than \$1 and clocks and watches selling for not more than \$5.

The administrative features of the bill include a provision for creating a Board of Tax Appeals, composed of not fewer than seven nor more than twenty-eight members, appointed for ten-year terms at salaries of \$10,000 each by the Secretary of the Treasury without Senate confirmation. The board would hear and determine cases involving the assessment of taxes, but both the Government and the taxpayer would be privileged to appeal any decision to the courts.

## Penalties for Delinquencies

In dealing with delinquencies, the bill provides that where there is no evidence of fraud, a penalty of only interest at the rate of 1 per cent a month can be levied. The present law provides a penalty of 5 per cent of the amount of taxes involved and a specific penalty of \$1,000 in addition to interest at the rate of 1 per cent a month. Under the new bill the Commissioner of Internal Revenue, where it is apparent that the payment of delinquencies would work undue hardship, would have authority to extend the time of payment not to exceed eighteen months.

Specific provision is made that interest at the rate of

5 per cent shall be paid by the Government on all refunds of taxes illegally collected.

One of the provisions placed in the bill by the Treasury in its effort to stop tax dodging, stipulates that where property is placed in trust but the creator of the trust retains power to withdraw it, the income from the property is taxed as belonging to the creator.

Another provision, which it is estimated will increase revenues \$8,000,000, would place taxpayers in all States on the same basis regardless of State community tax laws. It stipulates that where husband and wife have a joint interest in property acquired after marriage the income from such property is to be taxed to the one having control over it. This provision is aimed particularly at the community tax laws of Texas, Washington, Arizona, Idaho, New Mexico, Louisiana, Nevada and California, under which married couples have been pooling income from property jointly owned for the purpose of taking advantage of a lower surtax rate.

"Income received by any marital community," says this section, "shall be included in the gross income of the spouse having the management of the community property and shall be taxed as the income of such spouse."

## Capital Assets and Losses

Defining "capital assets" as property held by a taxpayer for profit or investment for more than two years, the bill provides that the amount by which the tax is reduced on account of a loss shall be limited to 12½ per cent of the loss. Under existing law capital gains are limited to 12½ per cent while capital losses, as Treasury experts construe the statute, can have the effect of wiping out entirely income in the higher brackets because the tax may be reduced by a maximum of 58 per cent of the loss. The Treasury estimates that this change in the law will increase revenue by about \$25,000,000.

About \$35,000,000 it is estimated, would be brought into the Treasury by a provision in the bill which would limit deductions from gross incomes for interest paid and for losses of non-business character to the amount by which they exceed the taxpayer's tax exempt income.

On the ground that it is vague, the bill would repeal the section of the existing revenue law which provides that no gain or loss from exchanges of property for property is realized by the taxpayer unless the property received in exchange has "a ready realizable market value."

## Affecting Reorganizations

The new bill provides that where, in connection with a reorganization, assets are transferred from one corporation to another, the assets transferred shall retain the same basis in the hands of the new corporation as in the hands of the old. Application is limited to cases where an interest or control of 80 per cent or more in the assets transferred remains in the same persons.

Another section stipulates that where assets are transferred to a corporation in such a manner that no gain or loss is realized from the exchange, the basis of the assets for the purposes of determining gain or loss from subsequent sale, depreciation, or depletion shall be the same as it would have been in the hands of the one who makes the transfer.

The bill provides that the penalty prescribed by Section 220 of the existing Revenue act for evasion of surtaxes by corporations shall apply to the net income of holding corporations and all dividends received on stock owned by them.



## DR. BAEKELAND ELECTED PRESIDENT OF THE AMERICAN CHEMICAL SOCIETY

Dean Talbot, of Massachusetts Tech., and George D. Rosengarten, of Philadelphia, Re-Elected Directors—  
Dr. Baekeland's Research Work in Photography and Electro-chemistry

Dr. L. H. Baekeland has been elected president of the American Chemical Society for 1924, succeeding Prof. E. C. Franklin of Leland Stanford University. Dean H. P. Talbot of Massachusetts Institute of Technology, and George D. Rosengarten, of Philadelphia, have been re-elected directors. The following councillors-at-large have been chosen: Dr. C. A. Browne, Chief of the U. S. Bureau of Chemistry, Washington; Prof. H. N. Holmes, of Oberlin College, chairman of the Committee on Colloid Chemistry of the National Research Council; Prof. L. W. Jones, Princeton University; H. S. Miner, industrial chemist of Gloucester, N. J.

Dr. Baekeland was born in 1863 at the old Flemish city of Ghent, where he received his early education. He passed through the elementary schools, the Atheneum (a Government High School), where he prepared for the University, and the Ghent Municipal Technical School, which resembles the Cooper Institute of New York. Winning, among other prizes, a traveling scholarship in chemistry, he was enabled to visit universities in England, Germany and Scotland, and to make a trip to the United States in 1889. Before leaving Ghent, Dr. Baekeland had become interested in photography, and soon after reaching New York he decided to accept a position as chemist in the manufacture of photographic films and bromide paper.

The Minister of Education of Belgium, in accepting his resignation, authorized him to retain the honorary title of associate professor at the University of Ghent. Later he became a research chemist and began at Yonkers, N. Y., the manufacture of a photo printing paper (Velox), which he had worked to perfect as far back as 1882 while he was still a student in Ghent. Discovery of this process made Dr. Baekeland a leader in the development of the photographic art, and he finally sold his entire enterprise to a company which manufactures kodaks.

Dr. Baekeland next turned his attention to electro-chemistry. He undertook direction of the work preliminary to the industrial development of the newly invented electrolytic cell for producing caustic soda and chlorine from salt. The result was the establishment at Niagara Falls of one of the largest electrochemical plants in the world.

Dr. Baekeland is a member of the Naval Consulting Board, of the Nitrate Supply Commission, of the Administrative Board of the Institute of International Education, and of the Committee on Patents of the National Research Council, of which he is chairman.

He was awarded the Nichols Medal of the American Chemical Society in 1909, the John Scott Medal of the Franklin Institute in 1910, the Willard Gibbs Medal of the Chicago Section of the American Chemical Society in 1913, the Chandler Medal of Columbia University in 1914, the Perkin Medal for Industrial Chemical Research in 1916, and the grand prize of the Panama-Pacific Exposition in 1915.

The next national meeting of the Society will be held in Washington, during the week of April 21.

Canadian Industrial Alcohol Co. has declared a quarterly dividend of 1½ per cent, payable Jan. 7 on stock of record Dec. 31. This increases the annual rate to 6 per cent, from 4 per cent.

## Of Interest in the Trade

Sterling Products, Inc., has declared an extra dividend of \$1 a share.

Frederick Boehm, Ltd., is now located at 45 Park Place, New York.

Semet-Solvay Co's Chicago office announces that on Jan. 1 that office was amalgamated with the office of Wing & Evans, Inc., 30 N. Dearborn st., Chicago.

Exhausted molasses (black strap), one of the raw materials for alcohol production in the United States, is becoming difficult to obtain in Cuba, according to Trade Commissioner Frank E. Coombs, Havana.

United States Civil Service Commission announces that receipt of application for examination to fill vacancy of assistant geologist (qualified in petrography) will close on Jan. 8. Additional information may be obtained from the Commission at Washington, D. C.

Malcolm McKenzie, who recently resigned as president of McKenzie & Foster, Inc., has formed a partnership under the name McKenzie & Co. with offices at 75 Fulton st., New York. The company will conduct a commission business in general produce and raw materials from India, Ceylon, East Indies, China and Japan.

American Cellulose & Chemical Manufacturing Co., Ltd., Amcelle, Md., will start work soon on an additional plant for the manufacture of artificial silk. The entire plant, including the new addition, with all equipment, will cost \$7,000,000, and when fully operated will employ 2,500 workers. Guy Leonard, who has resigned as manager of the company, has been succeeded by Arthur J. Fitch, works manager of the company's plant at Derby, England.

## CALL FOR DYE CENSUS INFORMATION

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 2—The Tariff Commission has begun work on the 1923 census of dyes and other synthetic organic chemicals. The blank forms will go forward to domestic producers Jan. 2. A co-operative arrangement has been made between the Commission and the Census Bureau in the collection of these production statistics, the purpose of which is to eliminate duplication of work by the manufacturer made necessary in rendering two separate reports at different times to the Census Bureau and the Tariff Commission.

It is expected that the report will be published July 1 or at an earlier date, depending upon the promptness with which manufacturers return the schedules. Complete statistics of imports and exports during 1923 also will be included, and a feature inaugurated in the 1922 report, presenting statistics of imports and exports of all large dye producing and consuming countries will be continued. Additions will be made to the 1923 report, concerning which announcement will be made later.

This series of annual census reports denotes the progress of the dye and chemical industries since 1917, the year covered in the Commission's first report. These reports, particularly that for 1922 elicited much favorable comment from the trade and has been referred to by English and French chemists in correspondence with the Tariff Commission as the most complete and highly technical census published.



**BANK SEES GOOD BUSINESS AHEAD**

A forecast of business prospects for 1924 by the National City Bank, New York, says in part: "As the year end approached, evidences have multiplied that instead of running into a quiet period the industries are likely to continue through the Winter at a good rate of operations, and there is little doubt that Spring will give a renewed stimulus to all activities.

"The problems of labor, prices, agriculture, taxes, politics, foreign affairs and reduced profits are holding imagination so far in check that business in general is moving along at a steady and careful rather than an excited pace. Activity is less at the moment than it has been for a number of months past, and it is conceivable that it may slip downward further before there is an upturn. However, there is immediately in sight nothing resembling a period of business depression; the features of strength in the present situation are too pronounced for that. There is one difference between the opening of 1924 and the opening of 1923 that is in favor of the present year. Last January there was under way an upward rush of business that speedily carried activity to a level which was too high to be maintained. There is no sign now of any general overbuying of goods, or of any overexpansion of credit which would lead to a runaway and perilous boom."

**HOOVER SAYS OUTLOOK IS BRIGHT**

Herbert Hoover, Secretary of Commerce, says: "In 1923 the United States has witnessed the highest total productivity and movement of commodities since the war, with full employment, high real wages, greatly increased savings, large additions to home building, and the largest increase in railway equipment since the war. The whole has been accompanied by a remarkable absence of speculation, consequent over-accumulation of consumable goods, or dangerous expansion of credit. As we are not in a boom we can expect freedom from a slump.

"The economic outlook for our own country for the next year is bright. In general the world situation is hopeful. The general spirit of prudence, the absence of speculation, high production, and the great financial strength and stability of the important states in the Western Hemisphere, together with the promise of the early conference for systematic consideration of constructive solution of the world's greatest economic menace—Franco-German relations—all create a hopeful foundation on which the New Year may build."

Average prices for December were 151 per cent of the pre-war level, according to Prof. Irving Fisher, of Yale University. Crump's index number was 154 for December; last quarter average, 150, and average for 1923, 149. The purchasing power of the dollar for the last week was 66 3/10 pre-war cents. December averaged 66 4/10 pre-war cents and the year 1923 averaged 63 4/10 pre-war cents.

The steamer "Conejas" of the United States Shipping Board, registering 800 tons and proceeding from Poti, north of Batum, on the Black Sea, for New York with a cargo of manganese ore valued at \$250,000, is reported to have foundered in the Black Sea. The captain and crew numbering 35 men, it is reported, took to small boats when the ship began to sink.

Imports of fine chemicals are again on the increase as shown by returns this week: 1,510 kegs tartaric acid; 340 barrels citric acid; and 1,120 flasks mercury. Stocks of these items are already heavy and with further importations, lower prices are freely predicted in the trade.

**CORN PRODUCTS INCREASES COMMON STOCK FROM \$5,000,000 TO \$75,000,000**

**Preferred Reduced From \$30,000,000 to \$25,000,000—Earnings in 1923 About Equal to 1922—Excitement in Wall Street When Announcement is Made**

Corn Products Refining Co. announces a special meeting of stockholders March 25 for the purpose of increasing the authorized common capital stock from \$5,000,000 to \$75,000,000 and of reducing the preferred capital stock from \$30,000,000 to \$25,000,000. At the same time the present capital stock of \$100 a share par value will be reduced to \$25 a share par value. If the plan is approved, stockholders will receive five shares of the new \$25 par value stock for each share now held. It is said the Directors intend to pay dividends of \$2 a share annually on the new stock. This would be equal to \$10 a share on the present stock, on which \$9 a year is now paid, including extra dividends.

An extra dividend of 75 cents a share and a quarterly dividend of \$1.50 a share was declared on the common stock, payable Jan. 19 to stockholders of record Jan. 5. The regular quarterly dividend of \$1.75 a share was also declared on the preferred stock, payable Jan. 15 to stockholders of record Jan. 5.

In reference to earnings it was said that with income for the current month the balance available for the common stock in 1923 would be about the same as in 1922, when about \$17.50 a share was earned.

When announcement of the dividend declarations and the contemplated stock split-up was reported on the Wall street news tickers there was excitement in many of the brokerage houses. The common stock of Corn Products has been bid up about 20 points within the past few weeks in anticipation of some favorable announcements from the directors.

One ticker announced "Regular Dividends." Many speculators immediately rushed for the "sell" pads in brokers' offices and flooded floor brokers with selling orders. This caused a reaction of 4 points in the stock from 156 to 152. After the orders were filled speculators strolled back to the tickers, which by this time were referring to the proposed increase in capital and the splitting up of the common stock by distributing five shares of the new for one share of the present stock. This caused another scramble, but this time the "buy" pads were selected, traders being anxious to get back the stock just sold. The subsequent buying caused a rally of 3 1/4 points in the stock to 155 1/4. Following this recovery the stock again became irregular and sagged off, due to conflicting orders. It closed at 153 1/4, at which level it recorded a net loss of 4 1/4 points for the day.

**METHANOL OUTPUT UP AGAIN**

Acetate of lime and methanol production for October based on reports from manufacturers has been announced by the Department of Commerce as 12,822,384 pounds acetate of lime and 662,708 gallons methanol. The production for the first ten months of 1923 follows:

	Acet. Lime Lb.	Methanol Gal.
January .....	15,478,065	888,608
February .....	13,194,735	726,037
March .....	14,732,054	786,774
April .....	13,237,584	710,987
May .....	14,667,584	796,481
June .....	14,129,529	727,458
July .....	12,873,572	645,673
August .....	12,815,237	649,063
September .....	11,541,468	568,091
October .....	12,822,384	662,708

**U. S. SMELTING PAYS PREFERRED DIVIDEND**

United States Smelting, Refining & Mining Co. has declared a quarterly dividend of 87½¢ a share on preferred, payable Jan. 15 to stock of record Jan. 7. The directors issued the following statement:

"The consolidated earnings for the 11 months of this year to Nov. 30 are estimated at \$3,688,000. After providing all interest, there have been deducted from these earnings reserves amounting to \$1,510,000 for depreciation, depletion and amortization, leaving estimated net earnings for 11 months of \$2,178,000. In completing the profit and loss account for the year the December earnings, quotational gains on sales of metals during the year and annual adjustments will increase the profits now reported. The net profits for the year after reserving for Federal taxes and after making additional reserves, estimated at approximately \$500,000 for further amortization of capital investments and other purposes, will be sufficient to provide the dividends on the preferred stock, \$1,702,225, and leave a small addition to surplus. It is estimated that the net current assets at the end of the year will be about \$13,200,000, compared with \$11,700,000 a year ago."

American Smelting will be affected less by disbanding the Copper Export Association than any other issue in the copper group, says "Financial America." The company was the first to start the disagreements in the organization because it desired to be relieved of the agreement to sell metal produced from purchased ore through the Export Association. Smelting can well take care of itself, because in addition to copper, it is a big smelter and refiner of other metals, and most of the earnings recently have come from the minor metals and other activities outside of the copper end of the business.

Bradstreet's reports 348 failures for last week in the United States compared with 440 for the previous week and 368, 445, 470, 82 for the corresponding weeks of 1922 to 1919. The New England States had 44, Middle 86, Western 64, Northwestern 29, Southern 83, Far Western 42. Canada had 26 failures for the week, against 48 for the preceding week. In the United States about 70 per cent of the concerns failing had \$5,000 capital or less and 16 per cent had from \$5,000 to \$20,000 capital.

Buying of United States Industrial Alcohol has been the most persistent on record and is based on stories of huge sales by the company which have been unusually profitable. The action of the stock has resulted in discussions of the possibility of resuming dividends on the junior issue. It is taken for granted that with earnings running at a high rate and the outlook for 1924 favorable for still larger revenues something will eventually be done for the holders of the common stock.

The Interstate Commerce Commission announces that Henry C. Hall, has been unanimously elected Chairman of the Commission for the ensuing year, beginning Jan. 1. The election of a chairman, according to the policy adopted by the Commission in 1911 is that the term of office of the chairman of the Commission shall be filled from year to year in the order of seniority of service. B. H. Meyer has been chairman during the past year.

The Atlas Powder Co. has declared a quarterly dividend of 1½ per cent on the preferred stock, payable Feb. 1 to stock of record Jan. 19.

The judgment obtained by Innis, Speiden & Co., against Sigmund Baar, on Dec. 12, for \$112.65 has been satisfied.

**New Incorporations****Chemical Industry**

Nitrogen Engineering Corp., New York. 1,000 shares common, no par value. Manufacture nitrogen. R. Bennett, Jr., P. G. Brennan, P. D. Bernard. Attorneys, Wing & Russell, 14 Wall st.

Cook Laboratories, Wilmington, Del., \$2,500,000. Operate antitoxin and physical laboratories.

Na Hu Laboratories, New York, \$20,000. Chemists H. and R. Lichtig, K. Proper. Attorneys, Proper & Lichtig, 501 East 161st st.

**Consuming Industries**

Worman Silk Co., 604 Colt Bldg., Paterson, N. J., \$125,000. Silk and other textile fabrics.

Northern Cotton Corp., Boston, \$2,000,000. Wm. L. F. Gilman, Wheaton Kittredge, Archibald C. Gove.

Burgemeister Products Co., Warsaw, New York, \$75,000. Manufacture and deal in beverages. F. A. Williams, E. M. Semon, J. V. Fesham. Correspondent, Justus L. Johnson, 206 Mercantile Block, Aurora.

Rafter Candy Co., Wilmington, Del., \$100,000. Colonial Charter Co.

Vella Radium Capoli Corp., Buffalo, \$20,000. Make soap. P. Vella, C. Iannello, C. Grillo. Attorney, F. di Bartolo.

Parkway Drug Shop, 308 Chelsea Bank Bldg., Atlantic City, N. J., \$100,000. Druggists, chemists.

Whitfield Paper Works, Red Bank, N. J., \$300,000. Howard Whitfield, Warren H. Smock.

Philadelphia Rubber Works, Philadelphia, \$3,800,000. Delaware corporation. Corp. Trust Co. of America, duPont Bldg., Wilmington, Del.

Transatlantic Drug Co., Wilmington, Del., \$1,100,000. Delaware Charter Co.

Hydrolene Co. of America, San Francisco, \$25,000. Stanley Pedder, C. A. Rosier, H. J. Delk, J. R. Whitmire, Grant Y. Alexander. Attorney, Stanley Pedder.

Standard Plate Glass Corp., Wilmington, Del., \$16,000,000. Make glass and glassware.

Pro-Ven Laboratories, Wilmington, Del., \$500,000. Perfumes, biological products.

Standard Agricultural Chemical Corp., Wilmington, Del., \$75,000. Manufacture fertilizers, chemicals, plant foods.

Armour Products Co., Chicago, \$1,000,000. Paints, varnishes, oils. United States Corp. Co., Dover, Del.

James, Perfumeur, New York, \$75,000. J. J. Nevins, C. Kennedy, M. L. Phelan. Attorney, M. Nave, 2 Rector st.

Triangle Laboratories, New York, \$25,000. Drugs. J. L. Carty, M. B. Moskowitz. Attorney, J. A. Byrne, 305 Broadway.

Calumet Pictures Corp., Dover, Del., \$600,000. To take and exhibit films. E. L. Blimline, James Lindsay, T. S. Kingman Registration Trust Co.

Bennett Leach, Wilmington, Del., \$100,000. Food products. Colonial Charter Co.

Olden Beverage Co., 150 North Olden Ave., Trenton, N. J., \$100,000. Manufacture beverages.

Pillsbury Flour Mills, Wilmington, Del., \$12,500,000. Manufacture food products, cereals. Corp. Trust Co. of America.

Keystone Chemical Products Corp., Wilmington, Del., \$100,000. Soaps.

Eclipse Chemical Co., Wilmington, Del., \$100,000. Deal in chemicals.

M. H. S. Paint Manufacturing Co., Wilmington, Del., \$150,000.

Beacon Tire & Rubber Corp., New York, \$2,500,000. H. W. Raprock, F. C. Taylor. Attorney, F. J. Knorr, Albany.

Sylco Laboratories, Inc., 1326 W. Congress st., Chicago, \$7,500. To manufacture aromatic chemicals. Geo. D. Cheronis, Nicholas D. Cheronis, Guy H. Powell.

Mother Superior Co., 11 South La Salle st., Chicago, \$25,000. To make proprietary remedies. A. R. Hall, H. F. Clark, H. A. Dodge. Attorneys, Gallagher, Kohlsaat, Rinaker & Wilkinson, 11 S. La Salle.

Hartford Tissue Mills, East Hartford, Conn., \$50,000. Edward Dugan, Leo J. Noonan, 36 Pearl st.

Cox, Hall & Cox Leather Co., Boston, Mass., 1,000 shares stock, no par value. Oliver Hall, George E. Cox.

Standard-Paper Co., San Francisco, Cal., \$100,000. George A. Connolly, C. M. Tresey, Arthur J. Harsfeld. Representative, Jerome Politzer, Mills Bldg.

Best Kid Co., Philadelphia, \$500,000. Operate tannery. Corp. Guarantee & Trust Co.

Evershine Co., Atlanta, Ga. Metal polishes. Dr. T. Poole Maynard, M. P. Phipps.

L. J. Steinhart & Co., Newark, N. J., \$125,000. Operate tannery. John H. Meister, R. Flaster. Representative, Bilder & Bilder, 790 Broad st.

Durable Paint Co., Brooklyn, \$50,000. Paints, oils, varnishes. J. Hudson, R. A. and J. J. Keegan. Representative, L. H. Hahlo, 233 Broadway, New York.

F. G. Leslie Paper Co., Wilmington, Del., \$200,000. Paper products. Corp. Service Co.

Enterprise Rubber Co., Yardville, N. J., \$100,000. Rubber products. John Masich, Leo McCue, J. E. Catana. Representative, J. Irving Davidson, American Mechanic Bldg., Trenton, N. J.

## QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Dec. 29

	Bid	Asked		Bid	Asked
Air Reduction .....	66 1/4	67 1/4	Hercules Powder .....	106	110
*Allied Chem. & D. .....	68 1/4	69	Hercules Powd., pf. 103	103	104
*Allied Ch. & D., pf. 110 1/4	111 1/4	112 1/4	Heyden Chem. ....	1 1/4	1 1/4
*Am. Ag. Ch. ....	12 1/4	13	Hooker Electro. ....	55	65
*Am. Ag. Ch., pf. ....	40	41	Hooker Electro, pf. ....	60	70
*Am. Chicle, pf. ....	18 1/2	16	*Household Products .....	34 1/4	34 1/2
*Am. Chicle, pf. ....	54	60	*Int. Agricult. ....	5 1/2	7
*Am. Cot. Oil Cfs., 10 1/2	10 1/2	10 1/2	*Int. Agricult., pf. ....	6	7
pf. ....	30	31	*Int. Nickel, pf. ....	13 1/2	14
*Am. Cyan. ....	86	89	*Int. Nickel, pf. ....	78 1/2	80
*Am. Cyan., pf. ....	73	75	*Int. Salt .....	77	80 1/2
*Am. Druggist S. ....	5 1/4	5 1/2	*Mathieson Alk. ....	37 1/4	38
Am. Glue .....	82	85	Merck & Co., pf. ....	60	64
Am. Glue, pf. ....	126 1/2	126 1/2	Merrimac .....	96	96
*Am. Linsced .....	17	18	Mulford Co. ....	29	34
*Am. Linsced, pf. ....	34 1/4	35	*National Lead .....	141 1/2	142 1/2
*Am. Zinc .....	7 1/4	7 1/2	*National Lead, pf. 100 1/4	111 1/4	111 1/4
*Am. Zinc, pf. ....	27	28	N. J. Zinc .....	146	150
Archer-Dan-Mid .....	25	27	Niag. A., pf. ....	96	100
*Atlas Powder .....	54	56	Parke, Davis & Co. ....	79 1/4	79 1/4
*Atlas Powd., pf. ....	85	89 1/2	Penn Salt .....	86	86
By. Prod. Co. ....	67	72	*People's Gas, Chi. ....	97 1/2	97 1/2
Carborundum .....	135	135 1/2	Procter & Gamble. ....	124	128
Carborundum, pf. ....	115 1/4	116	Procter & Gam., pf. ....	102	106
Casein Co. ....	60	65	Royal Bak. Po. ....	125	135
Celluloid Co., pf. ....	80	85	Royal Bak. Po., pf. ....	97	99
Celluloid Co., pf. ....	109	110	Sherwin-Williams .....	20 1/4	20 1/4
Ches. Mfg. ....	110	114	Sherwin-W., pf. ....	101 1/4	101 1/4
Ches. Mfg., pf. ....	110	114	Stand. Ch. ....	90	100
Com'l Solv. A. ....	40	45	Swan & Finch. ....	37	40
Do B. ....	37	37 1/2	*Tenn. C. & Chem. ....	9	9 1/2
*Corn Products .....	156 1/4	158	*Tex. Gulf, Sul. ....	60 1/2	60 1/2
*Corn Products, pf. ....	119 1/4	121	Union Carbide .....	56	56 1/2
*Davison Chem. ....	71 1/4	71 3/4	Union Sulphur .....	80	80
Dow Chem. non par. ....	46	47	*Un. Drug .....	79 1/4	79 1/4
Dow Ch., pf. ....	96	97	*Un. Drug, 1st pf. ....	47 1/2	48 1/2
*Du Pont de Nem. ....	129	130	*Un. Dyewood .....	40	46 1/2
*Du P't de Nem. Db. 85 1/2	86 1/2	86 1/2	*Un. Dyewood, pf. ....	59 1/2	59 1/2
*Eastman Kodak, pf. ....	108	109	Un. Gas Imp. ....	57 1/2	58 1/2
*Eastman Kodak, pf. ....	108	109	Un. Gas Imp., pf. ....	55	55 1/2
*Freepoint Tex. ....	12	12 1/2	U. S. Gypsum .....	89	92
*Freepoint Tex. Sul. ....	91	93	*U. S. Indus. Al. ....	69 1/4	70
Gold Dust, w.l. ....	30	31 1/2	*U. S. Indus. Al., pf. ....	96	98
*Grasselli .....	123	133	*Ya-Car. Ch. ....	8 1/2	9 1/2
*Grasselli, pf. ....	102	103	*Ya-Car. Ch., pf. ....	30	30 1/2
			*V. Vivaudou .....	14 1/2	14 1/2

\*Listed on New York Stock Exchange

The American Metal Co., Ltd., and subsidiaries in a report to the New York Stock Exchange for the nine months ended Sept. 30, 1923, show net income of \$2,077,557 after expenses and depreciation. Consolidated income account for the nine months follows: Gross income after deducting expenses \$2,466,656, depreciation \$389,099, net income \$2,077,557, minority interest subsidiary \$9,975, dividends \$1,468,500, surplus \$599,082.

Avri Drug & Chemical Co., Jersey City, N. J., is still in financial straits and the Bergen National Bank one of the largest creditors, has petitioned the court to have the affairs of the company brought to a close. Liabilities total \$37,481.30, and book assets amount to \$65,403.47.

An extra dividend of 25 cents a share in addition to a quarterly dividend of 25 cents a share has been declared on the capital stock of St. Joseph Lead Co. Both dividends are payable March 20, 1924, to stockholders of record March 8.

Glidden Co. has officially informed the New York Stock Exchange of a proposal to increase the capital stock of the company by issuing \$7,500,000 prior preference 7 per cent cumulative preferred stock.

Crow Chemical Co., a New Jersey corporation, has designated the Secretary of State as the representative of the company in New York.

Allied Chemical & Dye Co. has declared the regular quarterly \$1 common dividend, payable Feb. 1, to stock of record Jan. 15.

Barnet Leather Co., New York, has declared a regular quarterly dividend of 1 1/4 per cent on the preferred stock.

## CHEMICAL STOCKS SOLD AT AUCTION

Securities sold at auction at 14 Vesey st., New York, on Dec. 19, included the following shares of drug and chemical companies and allied industries:

422 shares National Drug Stores Corp., common \$85 lot.  
307 shares Phosphate Mining Co., \$37 per share.  
173 shares Radium Co. of Colorado, common, 1,375 shares Radium Co. of Colorado preferred, \$25 lot.  
160 shares National Drug Stores Corp., preferred, \$6.50 per share.  
310 shares National Drug Stores Corp., common, \$75 lot.  
100 shares Phosphate Mining Co., \$35 per share.  
1,000 shares Southern Phosphate Corp., \$2.75 per share.  
50 shares Granton Chemical Co., preferred and 37 1/2 shares common, \$65 lot.  
234 shares Independent Chemical Co., Inc., common, trust certificate; 234 shares Independent Chemical Co., Inc., 7% cum. 1st preferred, trust certificate and 12-20th of a share scrip; \$5.50 per share.  
\$5,012.66 Lakeland Phosphate and Fertilizer Co., 8%, demand notes, \$3,373.33 dated May 10, 1923, and \$1,639.33 dated Aug. 15, 1923, \$12 lot.  
800 shares Quicksilver Mining Co., common; 1,000 shares Quicksilver Mining Co., preferred; 300 shares Utah Consolidated Copper Co., common, \$30 lot.  
2,034 shares Manganese Corp. of Virginia, common; 1,385 shares Manganese Corp. of Virginia, preferred, \$25 lot.  
\$50,300 Manganese Corp. of Virginia bonds, \$105 lot.  
2,440 shares Manganese Corp. of Virginia, common; 1,622 shares Manganese Corp. of Virginia, preferred, \$50 lot.  
3,662 shares Manganese Corp. of Virginia, common; 2,483 shares Manganese Corp. of Virginia, preferred, \$75 lot.  
\$30,200 Manganese Corp. of Virginia bonds, \$205 lot.  
60 shares Anso Co., common \$75 lot.  
240 shares Anso Co., common, \$280 lot.  
250 shares United Zinc and Chemical Co., preferred, \$10 lot.  
250 shares United Zinc and Chemical Co., common, \$2 lot.  
2,100 shares Flake Graphite Co. of New York, \$7 lot.  
208 shares Southern Menhaden Corp., \$10 lot.  
\$10,000 Southern Menhaden Corp. first mortgage 6%, 10-year gold bonds, due July, 1929, \$100 lot.  
1,000 shares Pictorial Soap Mfg. Co., Inc., \$1,000 lot.  
500 shares Catalytic Chemical Co., \$4 lot.  
400 shares General Food Products Co., \$1 lot.  
\$100,000 Oceanic Quicksilver Co., first mortgage 5%, bonds, due 1927; Dec. 1922, coupon on; \$100 lot.  
250,000 shares Oceanic Quicksilver Co., \$100 lot.  
Promissory note Oceanic Quicksilver Co., \$66,000, dated April 19, 1923, due April 19, 1927, \$10 lot.  
80 shares Reliance Aniline and Chemical Co., Inc., common; 900 shares Reliance Aniline and Chemical Co., Inc., preferred, \$1 lot.  
566 shares Shashta Zinc & Copper Co., \$5 lot.  
\$1,000 Shashta Zinc & Copper Co., 8% bond, January, 1923, coupon on, \$20 lot.  
500 shares Shashta Zinc & Copper Co., \$3 lot.

Net profits of Household Products, Inc., for 1923 are estimated at \$2,250,000, equivalent to \$4.50 per share on 500,000 shares of common no par value. The stock is on a \$3 annual basis and dividend requirement is \$1,500,000 annually. The company was organized early in 1923 as a holding company and owns the entire \$25,000,000 capital stock of the Centaur Co. (the operating company) which manufactures Charles H. Fletcher's Castoria. Sales for the current year have been approximately 21,000,000 bottles of Castoria, compared with 20,778,192 bottles in 1922 an average of about 19,950,000 annually for the last five years.

Earnings of William Wrigley, Jr., Co. of \$5,740,458, or \$3.19 a share on the increased capitalization in the first nine months of this year, indicate that the official estimate of \$7,200,000, or \$4 a share on the entire year, will be exceeded, says the "Wall Street Journal." Sales are continuing in fully as good a volume in the last quarter and if earnings continue at the same rate in proportion to sales, \$7,653,444, or \$4.25 a share would be earned.

American Can Co. has declared a dividend of \$1 a share on the company's common stock in addition to a quarterly payment of \$1.25 a share. Both dividends are payable Feb. 15 to stockholders of record Jan. 31. F. S. Wheeler, chairman of the Board, said that earnings of the company for the current year were satisfactory, with prospects for good business in the new year.

The advance in National Lead common stock, last week, is attributed to the uprising in Mexico, which may interfere with lead production in that country.



## The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, page 40

### CALCIUM ARSENATE DEMAND UNCERTAIN

Last Year's Failures and Uncertain Future Keeping Buyers Out of Market—Arsenic Slightly Easier on Spot—Ammonium Sulfate Trifle Firmer—Copper Sulfate at Low Levels—Alkalis in Steady Demand—Last Week of the Year Quiet in Market

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined			
	Ammonium Sulfate, bulk, 10c 100lbs.	Barium Carbonate, Imp., \$1 ton	Ammonium Sulfate, bulk, 10c 100lbs.	Barium Carbonate, Imp., \$1 ton	Ammonium Sulfate, bulk, 10c 100lbs.	Barium Carbonate, Imp., \$1 ton
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.24	\$1.24	\$1.24	\$1.12	\$1.19	\$0.7
Sulfuric Acid, 66 deg. ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate, 100 lbs.	2.90	2.80	2.80	3.20	7.50	2.65
Bleaching Powder, 100 lbs.	1.25	1.25	1.25	2.00	9.50	1.50
Copper Sulfate, 100 lbs.	4.60	4.60	4.60	6.00	20.00	4.50
Potash Caustic, Imp., lb.	.06	.06	.06	.07	.87	.08
Soda Ash, 58 p.c., 100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c., 100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate ..lb.	.09	.09	.09	.10	.65	.06
Sodium Prussiate .....lb.	.11	.11	.11	.19	1.25	.18
Average .....	2.974	2.964	2.964	3.113	10.79	2.99

The final week of 1923 closed with little more than routine business taking place in the market for industrial chemicals. The fact that a holiday spirit prevailed and the annual inventory period was in progress prevented buying except in actual requirements and occasional orders for future delivery. Contract business for next year is reported to have been of satisfactory volume and the outlook for 1924 is encouraging. Prices, on the whole, are at low levels and from the present status of the market, are likely to remain fairly stationary except for occasional spurts of recessions in a few items.

Calcium arsenate has not been moving according to expectations for forward delivery. Last year many losses and failures resulted from early speculation in this commodity and delayed consumption from the consumers. Less speculation is reported this year and consumers are not yet in the market. Present prices are also delaying buying as some consumers are hoping for lower quotations. Producers of arsenate are in a quandary with arsenic at high prices and are not buying until they can see an outlet for their product. Arsenic has slowed up and spot prices are a trifle easier, though futures continue firm from abroad. Ammonium sulfate has strengthened a trifle. Bleaching powder is gaining strength. Copper sulfate is selling at low prices. Barium chloride is firm. Copperas is easier. Caustic potash is at low levels. Prussiates are unchanged. Alkalis have been selling well on contract. Heavy acids are stronger.

**Acid, Acetic**—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@3.63; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

**Acid, Oxalic**—Fair buying was reported with prices holding at recent levels. Domestic producers are quoting 12c@12½c, while imported material is named at 11½c@12c.

**Acid, Muratic**—A firmer and stronger market for less than carlot quantities is reported from makers. In tanks 20° material is named at \$1.00@1.10 and in car-

boys at \$1.30@1.80 as to quantity; 22° material \$1.75@2.30.

**Acid, Sulfuric**—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@16.00 ton at works; drums named at \$1.10@1.25 and carboys, \$1.25@1.75; 60° in tanks named at \$9.00@10.00 ton; oleum at \$17.00@18.00 ton for 20 per cent; drums, \$1.25@1.75.

**Acetone**—Demand is keeping supplies moving regularly. No large quantities are available and prices are firm at present quotations. C.P. at 25c@25½c; methyl acetone, \$1.15@1.20; acetone oil, \$1.25@1.30.

**Ammonium Sulfate**—Appears slightly stronger with prices at works firmer and higher at \$2.95 for bulk and \$3.10 for single bags. F.a.s. prices are still at low levels at \$2.80@2.85.

**Ammonium Chloride**—Unchanged with imported white at 6½c@6¾c, and grey, 7½c@8c. Domestic at 7½c@8c for white and 8c@8½c for grey.

**Arsenic**—There was little activity in the market during the week. Consumers were not interested in spot and prices declined to 13c, though most sellers were quoting 13½c. Prices for futures and shipments remain firm with quotations at 13½c@14½c. The uncertainty of the future in calcium arsenate is delaying purchases of arsenic at present as well as the high prices asked. Calcium arsenate is selling at 12½c@15c, according to position.

**Barium Products**—Imported carbonate appears easier and prices are quoted at \$69.00@70.00 ton. Domestic makers are asking \$70.00 ton at works. Chloride is firm at \$85.00 ton. Nitrate at 8c@8½c. Hydrate, 5c@5½c.

**Bleaching Powder**—Closed the year firmer with contract consumers covered for the next six months or a year. Competition is still keen in this field but present prices have been steady. Improved buying is expected in the next few months which may have some effect upon prices. Quoted at \$1.25, works.

**Copper Sulfate**—Buying from agricultural districts for future delivery has been taking place in better volume. Prices are still at low levels with domestic producers quoting \$4.60@4.65 in carlots and up to 5c, in smaller lots. Imported material is offered at 4½c@5c, according to seller.

**Copperas**—Easier under competition and lessened demand at present. Quoted at \$17.00@18.00 ton in bulk; bags, \$20.00@21.00, and barrels, \$22.00@23.00 ton.

**Potash, Caustic**—Shipments from abroad continue at 6½c@6¾c, while spot material is named at 6¾c.

**Potassium Bichromate**—Little activity was reported during the final week and prices remained at former levels at 9½c@9¾c.

**Soda Ash**—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@2.44.

**Soda, Caustic**—Deliveries slowed up at the close of the year but with nearly all contracts closed for next



year a good year is expected. Contract prices are firm with solid in carlots of drums at \$3.10 at works. Ground and flake at \$3.50. Dealers quote less than carlot quantities at \$3.76@3.91 as to quantity, delivered, in the metropolitan district.

**Sodium Bichromate**—Quiet at the close with prices holding at former quotations of 7½¢@7¾¢lb. according to seller and quantity.

**Sodium Prussiate**—Little activity was reported during the week and prices showed no change. Imported quoted at 11¼¢@12¢lb. as to seller. Domestic at 12½¢lb.

**Sodium Sulfide**—No change in prices and buying generally quiet. Domestic solid, 60 per cent, quoted from 3¼¢@4¢lb. and broken at 4½¢@5¢lb.; crystals named at 2¢@2¾¢lb. as to seller.

Wide fluctuations in the price of sodium nitrite are shown in quotations during the last six years. From about 5 to 6 cents per pound, the price rose steadily to 44 cents in October, 1917. From then on it fell to 32 cents in October, 1918, and to 11 cents in October, 1919. It is significant that in 1918, American production attained its maximum. The 1920 minimum price was 13 cents, maximum 30 cents; 1921 showed 6 to 10 cents; 1922, 6 cents in January and 10 cents in October. During 1923 the price has dropped from 10 in January to 7½ in September. Foreign nitrite was quoted at 7½ cents in September.

Estimated production of coke in the Connellsville and lower Connellsville districts last week was 183,060 tons credited to the two districts as follows: Connellsville 105,580 tons, an increase of 1,670 tons, and lower Connellsville 77,480, an increase of 370 tons, or a combined increase of 2,040 tons, compared with a net increase of 6,850 tons in preceding week. Market is now quotable as follows: Spot furnace \$3.85@\$4.00, contract furnace \$4.15@\$4.40, spot foundry \$5.00@\$5.50 and contract foundry \$5.25@\$6.50.

Stocks of sodium nitrate amounting to nearly 100,000 tons held by the War Department will be held as a reserve and no further sales of this material will be made by the Department. No other raw material for munitions is being held, other than nitrate, owing to the fact that this material must be imported and a reserve is necessary.

"Arsenic, Calcium Arsenate and the Boll Weevil" is the title of a 42 page pamphlet, published by Barr-Erhardt Press, Inc., New York, containing reprints of a series of articles and addresses by Howard A. Ambruster, New York, published in various trade journals during the past two years.

Surplus stocks of 18,000,000 pounds of "sodatol," a war time explosive held by the Government, will be distributed by the Bureau of Public Roads for road building and agricultural blasting. Sodamol is a mixture of TNT and sodium nitrate.

The report from Philadelphia that Charles A. Wagner & Co. would represent Mathieson Alkali Works in Philadelphia, effective Jan. 1, is not confirmed by Wagner & Co. nor by Mathieson, who request a denial of the rumor.

Dr. Charles A. Kraus, professor of chemistry at Clark University, has been awarded the Nichols medal for the current year for the best paper published in the American Chemical Society journals.

Durex Chemical Corp., New York, makers of barium compounds, announces that the company has dissolved.

## CALL FOR NITROGENOUS FERTILIZERS

The director of the Fixed Nitrogen Research Laboratory, in his annual report to the Secretary of Agriculture, Washington, estimates the annual consumption of nitrogenous fertilizers in the United States at 200,000 tons. He says in part:

"Study of the direct synthetic (Haber) ammonia process by this laboratory," says the report, "has developed a very reactive and stable catalyst, the importance of which must not be under-estimated. Although the production of an efficient and dependable catalyzer was the first necessary step and key to the whole problem of synthetic ammonia, now that this has been accomplished the next and greatest opportunity for reducing the cost of ammonia production lies in the manufacture of pure hydrogen consumed in the process.

"At the present the cost of hydrogen and its purification before it can be combined with nitrogen by the catalyzer represents about two-thirds the cost of the ammonia produced. It is in the problem of purification that there appears to be the greatest chance for improvements and thus for reducing the cost of the ultimate product, fertilizers, and it is on this account that it is proposed in the coming year to center a large proportion of the laboratory's efforts upon this problem of pure hydrogen production."

## SOUTH BUYING MORE FERTILIZERS

Increased prosperity in the South is reflected in the fertilizer industry, which is believed to have turned the corner after one of the longest and most disastrous depressions in the history of the trade. Prospects for 1924 are regarded as very encouraging, and the demand for fertilizers promises to equal that of 1914. On account of the high prices of cotton, corn and other farm products, increased acreage is certain, and fertilizer manufacturers are expecting a big gain in volume of business.

The South alone consumes about two-thirds of the fertilizers used in the country, and a large part of the cotton belt is reported to be undernourished, some sections having had insufficient fertilizers for several years. Actual tonnage used last season, totaling about 4,000,000, was 800,000 tons more than the 1922 period, but 995,224 tons under the peak of 1914.

## PENNSYLVANIA SALT CO. 73 YEARS OLD

Pennsylvania Salt Mfg. Co. is the subject of the December issue of the "Girard Letter," published by the Girard Trust Co., Philadelphia. Referring to the company as one of the biggest producers of chemicals in the world, and describing its growth in the 73 years since the company was founded, the article describes the company's trade in kryolith, saying in part:

"Kryolith is white and from it comes that perfectly snowy enamel and tiling and porcelain which figure so greatly in modern kitchens, bathrooms and buildings. Barring a small deposit in Russia, that big mine in Southwestern Greenland is the only kryolith known to exist in the world. Pennsylvania Salt is the sole importer into the United States of this highly important product. Annual importations coming to Philadelphia from Greenland run above 10,000 tons."

## MICHIGAN ALKALI OPENS SALES AGENCY

Michigan Alkali Co. and Edward Hill's Son & Co. announce the termination of the agreement by which Edward Hill's Son & Co. have acted as sales agents for Michigan Alkali. Sales are now made and existing contracts cared for by the general sales department of Michigan Alkali, 21 E. 40th st., New York. E. M. Taylor is sales director. The change was effective Jan. 1.

## The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 48

### PHENOL SCARCE AND HIGHER ON SPOT

Present Makers Using Their Own Production and Not Offering in the Market—Benzene and Toluene Market Lower—Cresylic Acid Quiet at Recent Prices—Naphthalene Slightly Stronger—Intermediates in Routine Demand

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Chromotropic Acid, 10c lb.      **Advanced** Phenol, open market, 3c lb.  
Benzene, 90%, 1c gal.      **Declined** Toluene, 1c gal.

	Trend of the Market					War Peak	Pre-War
	Today	Last Week	Last Month	Last Year			
Benzene, pure .....	gal. \$20	\$20	\$21	\$30	\$1.10	\$25	
Naphthalene flake .....	lb. .06½	.06½	.06½	.06	.16	.08	
Phenol, Spot .....	lb. .33	.30	.26	.35	1.50	.08	
Toluene .....	gal. .22	.23	.23	.30	..	..	10½
Aniline Oil .....	lb. .16	.16	.16	.16	1.40	..	..
Alpha-naphthylamine .....	lb. .35	.31	.35	.38	1.28	..	..
Benzaldehyde .....	lb. .75	.75	.75	.55	..	..	..
Betanaphthol .....	lb. .26	.26	.26	.24	1.50	.08	..
Dimethylaniline .....	lb. .39	.39	.40	.39	1.80	..	..
Paranitroaniline .....	lb. .73	.73	.73	.73	1.58	.18	..
Average .....	.345	.343	.342	.336	..	..	..

The last week of the year saw little activity in the market for coal-tar crudes and intermediates. The week was short owing to the seasonal holiday and business was mainly routine in character. The annual inventory period also had a tendency to slow up business since consumers have been taking only enough for their current needs. As for the future, some optimism has been expressed and many factors anticipate a fairly good period at least for a short while after the new year gets under way. Some contract business has been placed for delivery early in the year which seems to indicate that the early part of 1924 will be better than the latter part of 1923. In spite of the recent slowness in this market sales for the year are reported somewhat better than those of 1922. With the resumption of activity in textiles a livelier market is expected during the next few months.

Phenol prices have been moving upward again owing to the scarcity of supplies in the market. Present producers of the synthetic material are using practically all they are making and have none to offer. In the open market those who have odd lots are holding them for increasingly higher prices. The benzene market is at lower levels. Toluene and xylenes are also easier. Cresylic acid has been quiet owing to the season of the year. Competition has been keener in this field and some low offerings have been heard. Naphthalene is beginning to strengthen in anticipation of trading in Spring deliveries. Pyridine has been steadily growing easier. Chromotropic acid is quoted at higher prices. Some competition is reported in paranitraniline. Other intermediates are steady.

#### Coal-Tar Crudes

**Benzene**—Some good business is reported for the early part of next year while current business is seasonal. Competition in this field is still sharp and to this present low prices are to some extent due, though the gasoline prices are still at recent low levels. Pure benzene is quoted at 20c@22c per gallon in tanks and 25c@27c in drums; 90 per cent benzene is slightly lower

at 18c@20c per gallon in tanks and 23c@25c in drums.

**Cresylic Acid**—Has been in quiet demand with supplies apparently quite plentiful at the moment. Competition has become sharper in this field and some low prices have been heard in the market but usually the material is of a lower grade than generally offered. Pale 97-99 per cent material is offered at 75c@80c per gallon and dark 95 per cent at 70c@75c. Crude is named at 60c@65c per gallon.

**Naphthalene**—Actual trading in the market has not developed and makers are busy on contracts. Dyestuff naphthalene is very quiet and generally quoted at 5½c@6c lb. Flakes are named at 6½c@7½c lb. as to seller and balls, 7½c@8½c lb.

**Naphtha, Solvent**—Supplies are moving out regularly with tanks named at 21c@23c per gallon as to quantity and 26c@28c in drums.

**Phenol**—In the open market prices have advanced to 33c@35c lb. Demand has not been heavy but with supplies scarce, present holders of material are quoting higher prices. Producers of synthetic material are utilizing their production and have none to offer in the market though nominally quoting 26c lb.

**Pyridine**—Supplies are somewhat freer and offerings are quoted at \$4.00 per gallon on spot while shipments are named at \$3.50.

**Toluene**—Along with the lower market in light oil distillates prices are easier with quotations in tanks at 22c@24c per gallon and in drums at 27c@29c gallon.

**Xylenes**—Occasional sales are reported with prices of 3° material steady at 40c@45c in tanks and 45c@50c in drums; 5° material is offered lower at 31c in tanks and 36c in drums; 10° material in drums at 34c gallon; commercial at 26c@27c in tanks and 31c@32c in drums.

#### Intermediates

**Acid, Anthranilic**—Demand continues along routine lines with technical named at 94c lb. and refined at \$1.00 lb.

**Acid, Cleve's**—Occasional sales reported with prices named at \$1.00@1.10 lb.

**Acid, Gamma**—In quiet demand at present with makers quoting \$1.65@1.70 lb.

**Acid, H**—Regular consumers are taking fair quantities at present while new business is reported slow. Contract business is reported at 72c lb. with prompt shipment named at 75c@80c lb.

**Acid, Chromotropic**—Quoted higher at \$1.35 lb. with demand routine.

**Acid, Salicylic**—Technical quoted at 32c@33c lb. in a quiet market.

**Aniline Oil**—Producers continue to quote 16c@17c lb. according to quantity with demand quiet in the final week.

**Alpha-naphthylamine**—Little activity reported and prices steady at 35c@37c lb. by makers.

**Beta-naphthol**—Buying has been confined to small quantities which are selling at 26c lb. In the open market occasional sales are reported slightly under this figure. Carlots are named at 25c@26c lb.

**Dimethylaniline**—Unchanged at 39c@40c lb. with buying quiet.

**Ortho-toluidine**—Less active and selling at 13c@15clb. as to seller and quantity.

**Para-nitraniline**—Prices are quoted at a range according to seller at 70c@74clb. Little activity reported during the week.

Salt sold in the United States in 1922 showed a general increase of 36 per cent in quantity but only 12 per cent in value. Total sales in 1922 were 6,792,849 short tons valued at \$27,464,838 against 4,981,154 tons valued at \$24,557,966 in 1921. Salt producers in the western and middle western states reported conditions generally improved in 1922 while unfavorable weather, coal strikes, labor shortage, and scarcity of cars tended to increase cost of operations, and the receipts were lower. Imports in 1922 were 111,710 short tons, and export 134,989 short tons.

The Toronto laboratory of the Canadian Woolen Manufacturers Association is rapidly approaching completion. Premises have been secured on McCaul st., and the necessary equipment is being installed by the Associated Chemists. The committee in charge includes D. C. Dick, Cobourg Dyeing Co., Cobourg; Dr. F. Zeidler, Dickinson Dye Works, Toronto; A. Burton, Middlesex Mills, Ltd., London, Ont.; H. B. Ballye, Barrymore Cloth Co., Toronto; and F. F. Fitch, Textile Processing Co., Toronto.

The metallurgical industries of the United States, exclusive of iron blast furnaces, employed 44,000 men during 1922, an increase of nearly 18 per cent over 1921, according to the Bureau of Mines. The volume of work at mills in 1922 showed an increase of 37 per cent over the previous year; the increase at smelters was 9 per cent; while an increase of 69 per cent was shown for construction work, shops, and yards connected with the mills and smelters.

Bacteriological stains imported into the United States during October, 1923, were given out by the Chemical Division, Department of Commerce, Washington, as "pounds" imported. C. C. Concannon, chief of the Division, has issued a correction stating that the quantities should have been tabulated as grams instead of pounds. This error was pointed out by several readers of DRUG & CHEMICAL MARKETS and, in turn, communicated to Washington.

Newport Chemical Works, Passaic, N. J., have just announced that they are now producing Newport Direct Fast Scarlet 4 B A. The company claims that it is identical with the foreign made color using the same designation. The fact that this is one of the few products that will dye cotton and leave silk white in a bath and then discharge to a pure white is its most distinguishing feature.

A pamphlet on the "Effect of Tannic Acid on the Strength of Concrete" has been written by Duff A. Abrams and published by the Structural Materials Research Laboratory, Lewis Institute, Chicago.

Five hundred pounds of picric acid shipped by the United States Government to towns in Maryland to clear land and remove tree stumps, were distributed by the Maryland State Board of Agriculture.

Bright-Ellsworth Co., Los Angeles, Cal., dealing in industrial chemicals, has moved into the company's new building, 2475, 2477 and 2479 Porter St., Los Angeles.

National Humus & Chemical Co., Guardian Building, Cleveland, will rebuild the works near Houghton, Mich., recently damaged by fire.

## GERMANY FIGHTS FOR WORLD DYE TRADE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Germany, Dec. 20.—The German Dye Kartel is now in position to export dyes freely, having signed an agreement with the French which gives the French 25 per cent of German production in the occupied zone, for about three months. The dye plants are receiving coal from German mines and the output has been increased to about 50 per cent of normal. The German dye companies were big losers in the Ruhr deadlock because their factories were reduced to a fifth of pre-occupation output. Before the war Germany produced 1,000,000,000 gold marks of dyestuffs a year. In 1922, the output represented about 300,000,000 gold marks. A director in a leading company said:

"Germany cannot hope to dominate world markets as in the past. England and above all America have built a powerful chemical industry. In many dyes America will set the pace. I do not regard the confiscated German patents of much further use. The patents are at least 10 years old. We have gone ahead with new concoctions to higher grades of dyes. We have good workers and research laboratories. But we have not the capital to continue to set the pace."

## CANADIAN DYE IMPORTS DURING OCTOBER

(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Jan. 2.—Imports into Canada of dyeing and tanning materials during the month of October were valued as follows: From Britain, \$10,866; United States, \$220,333; other countries, \$78,093; total, \$309,292; compared with imports for October, 1922: From Britain, \$18,482; United States, \$225,634; other countries, \$59,840; total, \$303,956.

Imports of aniline and coal tar dyes included in the above were: From Britain, 22,201 lbs., value, \$8,836; United States, 161,312 lbs., value, \$104,024; Germany, 52,826 lbs., value, \$38,214; Netherlands, 19,315 lbs., value, \$11,908; Sweden, 22,438 lbs., value, \$7,422; Switzerland, 22,326 lbs., value, \$13,281; other countries, 700 lbs., value, \$421; total, 301,118 lbs., value, \$184,106; compared with imports in October, 1922: From Britain of 38,790 lbs., value, \$15,067; United States, 163,763 lbs., value \$102,348; Germany, 3,925 lbs., value, \$6,410; Netherlands 24,321 lbs., value \$23,131; Sweden, 10,199 lbs., value \$9,733; Switzerland, 15,386 lbs., value, \$14,157; other countries, 131 lbs., value, \$135; total, 256,515 lbs., value \$170,981.

Four subsidiaries of the Standard Silk Dyeing & Finishing Co., Paterson, N. J., have filed articles of incorporation with a total authorized capital of more than \$1,000,000. The concerns are Standard Holding Co., Standard Silk Process Co., Silk Tex Mill, and Standard Silk Service Co. Controlling interests are held by George W., William S., and Charles Cole, owners of the Standard company.

A bleaching and finishing plant estimated to cost \$2,000,000 will be built on the Swannanoa river, four miles from Asheville, N. C., by Sayles Finishing Plant, Inc., of Rhode Island.

Customs regulations under the section of the new tariff act governing coal-tar dyes are about completed by the Treasury Department.

Synthetic Iron Color Co., has purchased three and a half acres of land at Richmond, Cal. and will erect a modern plant at once.

The Textile Color Card Association has leased offices at 50 East 42nd st., New York.



## The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 54

### CRUSHERS REDUCE LINSEED OIL

Decline Due Mainly to Easier Seed Situation—Cottonseed Oil Continues Weak—Olive Oil Foots Higher—Corn Oil Stronger—Rapeseed Oil Up—Fish Oils Less Active—Tallow Stronger—Turpentine Lower

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Corn Oil, crude, 3/4c lb.	Advanced	
	Olive Oil Foots, spot, 1/2c lb.	
Grease, yel., 3/4c lb.	Declined	
	Rapeseed Oil, 1c gal.	
	Tallow, extra, 3/4c lb.	
	Declined	
Linseed Oil, 2c gal.	Stearine, oleo, 3/4c lb.	
Grease, white, 3/4c lb.	Turpentine, 1c gal.	

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$ .67	\$ .67	\$ .68	\$ .61	\$ 1.26	\$ .36 1/2
Degras, American, bbl..lb.	.04 3/4	.04 3/4	.04 3/4	.04 3/4	.25	.03 1/2
Lard, No. 1.....gal.	.79	.79	.79	.79	2.90	.92
Menhaden, crd., bbls..gal.	.50	.50	.50	.50	1.20	.38
Neatsfoot, 20 deg. c.t..gal.	1.33	1.33	1.29	1.35	3.45	.95
Red Oil, distilled.....lb.	.08 3/4	.08 3/4	.09 1/4	.10 1/4	.17	.07
Stearic Acid, T.P.....lb.	.13	.13	.14 1/4	.13	.33	.12
Coconut Ceylon, bbls..lb.	.10	.10	.10	.08 3/4	.90	.14
Cottonseed, crude, lbs..lb.	.09 1/4	.09 1/4	.09 1/4	.09 1/4	.25	.08
Linseed, carlots.....gal.	.90	.92	.92	.90	1.88	.57
Olive, denatured.....gal.	1.10	1.10	1.10	1.15	4.50	1.05
Peanut, refined.....lb.	.16	.16	.16	.16	.30	.08
Soya Bean, bbls.....lb.	.11	.11	.11	.12 1/4	.19 1/2	.07
Average .....	0.461	0.462	0.463	0.466	1.30	0.362

The final week of 1923 closed with the market in vegetable, animal and fish oils generally firm. Owing to the holiday and inventory season there was little buying during the week, but stocks, in most cases have been in small volume and prices remained firm. After the first of the year a better movement of supplies into consuming channels is expected, many orders received during the last few weeks being for shipment after Jan. 1.

Linseed oil crushers have announced lower prices for all positions, the change being due mainly to the recent decline in seed prices. Cottonseed oil continues easy and somewhat irregular. Olive oil foots have become stronger and higher prices are quoted on spot. The situation in Spain has tightened as to supplies from this year's crop, and an embargo is likely according to recent reports from that country. Corn oil is stronger and higher. Palm oil has become firmer. Chinawood oil is quiet. Tallow has strengthened with sales at higher figures. Cod and menhaden oils are in small supply but demand has been less active. Turpentine is lower.

#### Vegetable Oils

**Castor Oil**—Crushers are holding prices steady at 14 1/2c lb. for No. 1 and 14c lb. for No. 3.

**Chinawood Oil**—Interest is confined mainly to forward positions though crop prospects are still uncertain in the Orient. Shipment prices for Jan., Feb., are named at 21 3/4c@22c lb. Spot buying has been quiet with prices holding at 21 1/4c@21 3/4c lb. At the Coast tanks are named at 20c@20 1/4c lb.

**Coconut Oil**—With demand along steady lines and supplies not too heavy prices are holding firm at recent levels. Ceylon in tanks, New York, named at 8 1/4c@8 3/4c lb. and Cochin at 9 1/4c@9 3/4c lb. At the Coast Manila is held at 8 1/2c@8 3/4c lb.

**Corn Oil**—Continues active and stronger with quotations at 10c lb. for crude in tanks at mills. Refined oil named at 13c@13 1/4c lb.

**Cottonseed Oil**—Prices underwent little change during the week. This item is perhaps the weakest in the vegetable oils at present. At present prices many buyers are turning to other oils which are cheaper and as suitable. P.S.Y. quotations range from 10 3/4c lb. for spot and Jan. to 11 3/4c@12c lb. for August position. Crude at the mills named at 9 3/4c@9 1/2c lb.

**Linseed Oil**—Crushers have reduced prices to 90c in carlots for Jan.-Mar. and to 83c for Apr.-Aug. delivery. Lower seed prices during the past few weeks have accounted for the decline. Spot business has been quiet but forward buying has been fairly active. London linseed oil quoted, 43s. Antwerp, 394f. The Government's final flaxseed report places this year's yield at 17,427,000 bushels from 2,061,000 acres. The November estimate placed the crop at 19,343,000 bushels. Duluth prices, Dec., \$2.34, Jan., \$2.35; Feb., \$2.38; May, \$2.36. Winnipeg, Dec., \$1.98; May, \$2.04; July, \$2.05. Buenos Aires, \$1.53 1/2.

**Olive Oil**—The situation in Spain has tightened as to the prospects of obtaining oil from that country. The crop is reported small and there is some agitation for an embargo on the oil. A referendum on the question is named for Jan. 8. Spot olive oil foots are higher at 9 3/4c@9 1/2c lb. and shipment quoted at 8 3/4c@9c lb. Denatured at \$1.10@1.15 per gallon. Edible \$1.70@2.20.

**Palm Oil**—Firm with quotations at 7c@7 1/2c lb. for Niger and 7 3/4c@8c lb. for Lagos.

**Perilla Oil**—Light supplies and demand with prices at 14 1/2c lb.

**Peanut Oil**—Scarce and nominal at 16c lb. for the refined.

**Soya Bean Oil**—In light supply and demand active. Spot material held at 10 1/4c@11c lb. and 9 3/4c@10c lb. at the Coast.

#### Animal Oils

**Greases**—White is easier at 10c@10 1/4c lb.; yellow slightly stronger at 6 3/4c@6 1/2c lb.; brown, 6c@6 1/4c lb.

**Oleo Oil**—Holding steady at 16c lb. for No. 1, 11 1/2c lb. for No. 2 and 10 1/4c lb. for No. 3.

**Neatsfoot Oil**—Unchanged with demand routine. Extra named at 10 3/4c lb.; pure, 14 3/4c lb. and 20° at 17 1/2c lb.

**Red Oil**—Steady at 8 1/2c lb. in carlots of barrels and 7 3/4c lb. in tanks.

**Stearic Acid**—Makers continue to quote double pressed at 12c@12 1/4c lb. and triple pressed at 13c@13 1/2c lb.

**Tallow**—Stronger with sales at 8c lb. for the city extra.

#### Fish Oils

**Cod Oil**—Imports last week included 255 barrels and casks. Supplies are not heavy but demand is fallen off and prices are inclined to be easier in some directions. Newfoundland named at 67c@70c per gallon.

**Menhaden Oil**—Crude is in small supply and is being held at 50c@52c per gallon. Refined oils are holding at 67c@70c per gallon for the light strained; yellow bleached at 70c@73c gallon.

**Sperm Oil**—Sellers are quoting 45° material at 89c per gallon and 38° at 94c gallon.

#### Naval Stores

**Turpentine**—Prices declined slightly during the week to 92 1/2c per gallon. Demand has not been active at



this season of the year but improved buying is expected after the turn of the year.

**Rosins**—Buying is confined mainly to actual requirements and is reported quiet at this time of the year. Prices have been fairly firm at recent levels. B to H, \$5.70; I, \$5.75; K, \$5.90; M, \$6.20; N, \$6.30; WG, \$7.00; WW, \$7.15.

#### COMPANY READY TO MAKE TUNG OIL HERE

Recent experiments in the raising of tung or china-wood trees at Gainesville, Fla., indicate that a good yield of tung oil can be obtained from the nuts of trees grown in this country. Plans are now under way for the establishment of several groves of trees near Gainesville. A nursery which was started about a year ago with 125,000 seedlings is progressing satisfactorily and from it will be selected plants for the land which is being cleared and prepared for two groves, one of 70 acres and another of 200 acres. Plants will also be sold in the community to those who are interested in the new development. Behind the venture is the American Tung Oil Corp., which has been organized under the laws of Florida. At a recent meeting of the directors in New York, James H. McNulty, of Pratt & Lambert, Inc., was elected president; vice-presidents, Ludington Patton, Henry L. Calman; general manager, Henry A. Gardner; secretary and treasurer, H. P. Butler. Wide interest is manifested in the project and subscriptions have been coming in from varnish manufacturers and others interested in tung oil.

The fortieth annual sales convention of Paraffine Companies, Inc., was held at the Bellevue Hotel, San Francisco, during the week of Dec. 17, with more than one hundred and twenty-five salesmen and representatives of the firm in attendance. The concern operates seventeen plants on the Pacific Coast and does an annual business of about \$20,000,000. It manufactures paints, floor coverings, roofing and a diversified line of building materials. Functions of separate departments were outlined by R. H. Ohea, secretary; A. R. Moyan, traffic manager; L. S. Rosener, consulting engineer; A. H. Silverstone, purchasing agent; C. E. Howard, credit manager, and N. J. Rich, personnel manager.

Allied Chemical & Dye Corporation has discovered a chemical process somewhat similar to the Silica Gel process of the Davison Chemical Co., says the "Boston Transcript." There is nothing definite available on the subject, however, and in view of the well known reticence of the officials of the Allied Chemical Co., it is unlikely that any announcement will be made. The Davison company's process has come in for a great deal of critical discussion and there does not appear to be any unanimity as to its ultimate commercial value.

Flaxseed production in the United States this year will amount to 17,429,000 bushels, or a yield of 8.5 bushels per acre, according to a report of the Department of Agriculture, Dec. 20. The previous estimate was 19,343,000 bushels in November. Compared with last year's production of 10,375,000 bushels the production this year show a considerable increase, though the yield in 1922 was 9.3 bushels per acre.

Pratt & Lambert, Inc., varnish manufacturers with plants at Buffalo and Bridgeburg, New York, presented gold watches last week to six employees who had been with the company for twenty years.

Imports of linseed oil during October amounted to 413,213 pounds, valued at \$40,741. Exports totaled 172,295 pounds, valued at \$22,788.

#### SHERWIN-WILLIAMS HOLD 36th MEETING

After four of the biggest days in its history, the Sherwin-Williams Co. closed its annual convention in the Congress Hotel, Chicago, Dec. 20, with a record of a hundred per cent attendance and the unanimous opinion that it was the most successful convention held by the company. Representatives were present from every state and enthusiasm was at a high pitch at all times during the meeting.

The convention was called to order on Monday, Dec. 17, by President George A. Martin who welcomed the delegates, thanked them for their excellent records of the past year and hoped for still greater achievements in the future, but that in all events the business would be carried on according to the policies laid down by its founders H. A. Sherwin and E. P. Williams. The remainder of the program included brief talks by managers of various departments designed to give every man present a new and broader conception of the company and its activities in paints, varnishes, dyes, coal tar products, chemicals, colors and insecticides. On Tuesday an inspection was made of the Chicago plant which covers 34 acres at Kensington, Ill. In the evening a banquet was held with over 700 members and guests present. Harris Creech, president of the Cleveland Trust Co., John B. Reynolds, chairman of Continental & Commercial National Bank of Chicago, and Thomas E. Wilson, president of Wilson & Co., were the speakers of the evening.

One of the features of the convention was the exhibit of finished products of the company, miniature paint mills and varnish kettles, raw materials, insecticides, dyes, paints, varnishes, stains, enamels and the materials on which they are used.

#### CHEMICAL SUPPLIES WANTED

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids until Jan. 8, for 15,000 sq. ft. of compressed cork for use at the Brooklyn navy yard, as specified in Schedule No. 1728.

The Supply Officer, United States Navy Department, Great Lakes, Ill., will take bids at once for 5,000 cakes of cleaning and polishing soap, as per Requisition 115.

The Supply Officer, United States Navy Department, Puget Sound, Wash., navy yard, near Seattle, will take bids at an early date for 400 gals. of turpentine, in 5-gal. cans, as per N.S.A. Requisition 324.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, 10 South LaSalle st., Chicago, has received an inquiry from a company at Crescenzago, Italy, in the market for bristles and kindred products, (No. 2599).

The Supply Officer, United States Navy, Charleston, S. C., will take bids at once for 2,200 sq. ft. of magnesia block, as per N.S.A. Requisition 194.

The Chief of Air Service, United States Army, Washington, D. C., will receive bids until Jan. 14, for 2,500 gals. of airship and balloon dope, as specified in Circular CAS 24-64.

The Soil Improvement Committee, Atlanta, Ga., is assisting the colleges in the South in regard to boll weevil control and will undertake campaigns during January, February and March to extend the use of calcium arsenate in the cotton states.

Nitrate Agencies Co., Bayonne, N. J., recently contracted with the State of Georgia for 750,000 pounds of calcium arsenate for immediate delivery. The price involved was 11½¢ a pound at the works.

## The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 38

### QUICKSILVER EASIER ON SPOT

Possible to Shade \$60-Flask on Firm Order—Imported Tartaric Acid Easy—Wide Range in Potassium Permanganate—Alcohol Active—Menthol Steady—Cod Liver Oil Active—Formaldehyde Weak

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced  
No Advances  
Declined  
Mercury, 50c flask

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	\$32	\$32	\$32	\$35	\$2.00	\$2.20
Acid Citric, Import .....	.47	.47	.47	.48	1.25	.45
Caffeine Alkaloid .....	4.00	4.00	4.00	3.75	18.00	8.65
Calomel, American .....	1.25	1.25	1.25	1.25	3.48	.90
Camphor, Jap., ref. ....	.86	.86	.86	.91	3.58	.41
Iodine, Resublimed .....	4.53	4.53	4.53	4.50	5.00	3.75
Menthol .....	10.25	10.25	13.00	10.00	13.50	3.00
Potassium Bromide, Cryst. ....	.26	.26	.26	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.47	4.25	.27
Strychnine Sulfate .....	.68	.68	.68	.84	2.05	.50
Average .....	2.39	2.39	2.64	2.07	5.92	1.56

A spirit of optimism for the first quarter of 1924 is making itself felt in the market for medicinal chemicals. Consumers seem to believe that they can take on stocks with assurance that the bottom will not drop out of business the next moment. Numerous houses in the trade are in the throes of inventories, but, no doubt, by the end of the month will be in line for large supplies to replenish their stocks. Prices are well maintained, and with an appreciable amount of buying, they will undoubtedly react upward rather than downward. Higher shipment values are heard from abroad, but sufficient low-priced goods are held on spot to counteract any advance from the Continent. The only depressing condition that exists here is said to be the excessive importation of supplies that are out of line with consumption. With these passed on into consuming channels, the market, as a whole, would without doubt show a healthy condition.

Quicksilver consumers appear to be stocked with sufficient goods to last for some time to come, according to reports. Imported tartaric acid is generally quoted at 28c/lb., but 27c/lb. can be done on 25-keg orders. Menthol has steadied after a \$4.25 drop in five weeks. Cod liver oil is active for spot goods as well as for shipment. Formaldehyde is weak and makers, no doubt, will shade current quotations on firm business.

**Acetanilid**—Makers continue to name 32c@33c/lb. spot. Resale goods available at 29½c/lb.

**Acid, Acetylsalicylic**—Quoted firm by manufacturers at 75c@85c/lb. spot, and 72½c/lb. by second hands. Prices are firmly held owing to strength of raw material.

**Acid, Citric**—Imported quoted at 47c@48c/lb. spot with possibility of shading these figures on firm order. Fresh imports here always keep stocks on the heavy side, thereby making it impossible for the market to show any firmness. Domestic at 48c@49c/lb. as to quantity.

**Acid, Diethylbarbituric**—Imported named at \$4.00@4.25/lb. spot with tendency to firmness owing to high cost of production abroad. No late reports have been heard in regard to changing the tariff on this item.

**Acid, Phosphoric**—U.S.P. 85 per cent syrupy quoted at 12c@14c/lb. spot as to quantity.

**Acid, Salicylic**—Makers name 35c/lb. spot with limited amounts available at 34c@35c/lb. in resale quarters. Position firm with possibilities of a higher schedule of prices in near future.

**Acid, Tartaric**—Imported quoted easy at 28c@29c/lb. spot as to quantity with large lots named at 27c/lb. Imports continue to pile up without giving the existing stocks any chance to pass into consumption and subsequently firming up the market. Import costs about equal to spot values. Domestic named at 30c/lb.

**Alcohol**—Stocks are reported low in consuming quarters and while demand at the moment is small, the turn of the year is expected to see resumption of activity and a general upward swing of prices for all grades, according to the trade. No. 1 specially denatured quoted at 48c@50c gal. spot in drums, and No. 5 completely denatured at 47c@49c gal. in drums. Reports are heard that raw material is becoming scarce in Cuba and additional advances are in line.

**Aloin**—Firm and active at 90c@95c/lb. spot.

**Amidopyrine**—Quoted at \$4.60@\$4.90/lb. spot as to seller and quantity. Replacements named slightly below the high figure.

**Antimony Needles**—Powdered firm at 8c@9½c/lb. spot as to quantity.

**Antipyrine**—Named at \$2.35@\$2.50/lb. spot as to quantity and seller. Sales are being made at the maximum price in spite of the lower quotation. The trade does not see why consumers are willing to pay a higher price, if the same quality goods are quoted at a much lower figure.

**Bay Rum**—Quiet at \$2.50@\$2.75 gal. spot for goods denatured with salicylic acid.

**Bismuth Subnitrate**—In small demand at \$2.90/lb. spot by makers, and \$2.80/lb. from resale quarters.

**Caffeine Alkaloid**—Recent flurry in buying has subsided somewhat. Quoted firm, however, at \$4.00@\$4.25 lb. spot by makers, and \$3.90/lb. from second hands.

**Camphor**—Spot is named at 86c@87c/lb. as to quantity with Jan.-Mar. shipment quoted at 85c/lb. laid down in New York. Domestic at 93c/lb. in barrels.

**Cod Liver Oil**—In active demand at \$24@\$25 bbl. with shipment named about equal to spot. Some forward delivery business was reported last week.

**Collodion**—U.S.P. named steady at 22c/lb. spot in drums.

**Cream Tartar**—Imported quoted easy at 23½c@24c/lb. spot with possibilities of shading these figures on firm business.

**Creosote**—U.S.P. quoted at 40c@42c/lb. spot as to quantity, and carbonate firm at \$1.80@\$2.00/lb.

**Formaldehyde**—Makers quoting 10¾c/lb. c/l works, but will probably take less on a firm order owing to weak condition of this item. However, some of the present supplies are being shipped to Japan, and if this export business continues for a long time, perhaps the market here will return to normal.

**Glycerin**—Named at 16½c@17c/lb. spot for C.P. in drums, and 18c@18½c/lb. in cans.

**Hexamethylene**—Easy at 75c@77½clb. spot for domestic, and 68c@70clb. for imported.

**Menthol**—Spot has steadied somewhat and refuses to drop any more for the moment at least. Quoted at \$10.25@10.75lb. spot as to quantity. Reports on the total yield of menthol, as usual, vary considerably.

**Mercury**—Has declined on spot and now quoted at \$60.00@\$60.50 flask owing to small demand. Stocks on hand at end of July as reported by directors of Almaden and Arraynes mines were 17,633 flasks, compared with 24,594 flasks in January. Flasks withdrawn from January to July totaled 34,809. Ex-mine price named at 297 pesetas per flask, compared with 340 pesetas for June.

**Papain**—U.S.P. quoted steady at \$2.15@\$2.25lb. spot.

**Potassium Permanganate**—Imported quoted at 15c@17clb. spot as to seller with tendency to easier figures owing to weak holders, who have just enough supplies to keep market well agitated. Domestic meeting competition at 15½c@16clb. works.

**Resorcinol**—U.S.P. named firm at \$2.25@\$2.35lb. spot as to quantity.

**Santonin**—Quoted at \$148@\$152lb. spot as to seller and quantity. Demand quiet.

**Zinc Oxide**—Named at 17c@18clb. for U.S.P. material as to quantity.

#### HOFFMANN-LA ROCHE HOLD XMAS PARTY

Old St. Nick, otherwise known as Elmer H. Bobst, treasurer and general manager, Hoffmann-La Roche Chemical Works, New York, visited the office on Dec. 24 and distributed to each employee a Christmas present in the form of a bonus, representing about ten per cent of each yearly salary. A Christmas party, including music, dancing, and refreshments followed the bonus distribution at the firm's offices. The festivities, which lasted well into the evening, were under the direction of Elmer Bobst and Nelson Peterson. Following the party, reports indicate that Messrs. Goddin, Lovell, and White of the company's staff, became lost in the confines of lower Pearl st., mistaking the East River for the majestic Hudson in their haste to reach home before daylight Xmas morn.

A new internal revenue tax law, effective Dec. 12, 1923, was recently passed in Argentina, says Trade Commissioner George S. Brady, Buenos Aires, in a report to the Department of Commerce. Under provisions of this law, the following changes in internal revenue taxes have been made: On all imported alcoholic preparations (whether beverages or not) increased from 0.01 peso to 0.015 peso per degree or fraction of degree of alcohol (by volume). This tax is to be paid at the same time as the customs duty. On matches, increased from 0.002 peso to 0.005 peso per box of 50 matches or fraction thereof.

William Hosken, of Vietor & Hosken, New York, American representatives for Hoshi, and Bubeck & Dolder, will sail from San Francisco next week for a two months visit to Japan. En route to Japan, Mr. Hosken will stop off at Honolulu. He left New York on Christmas day for the Coast.

The New York office and warehouse of Powers-Weightman-Rosengarten Co., formerly a separate corporation in New York State, has become a branch of the main office and plant in Philadelphia, the New York corporation having been dissolved.

Merck & Co., New York, have issued their memorandum calendar for 1924. As in previous years, it is eight pages of cardboard with a memorandum space for each day of the year.

### The Editor's Correspondence

#### Less Than Carload Lots

Editor, DRUG & CHEMICAL MARKETS:

I read your editorial on "Less Than Carload Lots" in your issue of Dec. 12 with a great deal of interest. It covers a condition of the greatest importance to manufacturers and why manufacturers will not wake up to the conditions that you have so thoroughly outlined, I am at a loss to understand.

While you have treated a condition that exists in the Alkali market principally, it is equally as villainous and disorganizing in other products.

This letter is principally to ask you if you have made any prints from this editorial. If so I would be pleased if you would send me at least a dozen, which I propose to place directly in the hands of the heads of manufacturers of Epsom Salts who have suffered tremendously through the very conditions that you have brought out so forcibly in your editorial.

THE DRACKETT CHEMICAL CO.,  
Cincinnati, Dec. 26, 1923 P. W. Drackett,  
President.

#### TO ISSUE PORTFOLIO OF CHEMISTS

"Eminent American Chemists" is the title of a portfolio of portraits of men distinguished in the chemical field in the United States from the earliest days to the present, with short sketches of the work of each. The work is compiled by D. H. Killefer, secretary of the New York Section of the American Chemical Society and associate editor of "Industrial and Engineering Chemistry." Distribution of the portfolio will begin March 15. The chemists whose portraits are included in the portfolio are: L. H. Baekeland, W. D. Bancroft, B. B. Boltwood, J. C. Booth, C. F. Chandler, R. H. Chittenden, F. W. Clarke, F. G. Cottrell, Josiah P. Cooke, E. C. Franklin, J. Willard Gibbs, Wolcott Gibbs, Moses Gomberg, Robert Hare, W. F. Hillebrand, T. Sterry Hunt, Irving Langmuir, G. N. Lewis, J. W. Mallett, E. W. Morley, A. A. Noyes, W. A. Noyes, Joseph Priestley, Ira Remsen, T. W. Richards, Count Rumford, Benjamin Silliman, Edgar F. Smith, J. Lawrence Smith, Julius Stieglitz, Donald D. Van Slyke, W. R. Whitney, H. W. Wiley.

#### WILL OPPOSE NEW PACKAGE GOODS BILLS

New bills, which affect companies manufacturing and dealing in package goods, have been introduced in Congress by Representative John F. Rogers of Massachusetts, Representative Gilbert N. Haugen, of Iowa, and Representative Ben Johnson, of Kentucky. The Rogers bill relates to misbranding of articles shipped in interstate commerce; the Haugen bill relates to slack filled packages; and the Johnson bill affects those who put up goods under the private labels of customers. Thomas J. Hickey, of Linnen & Hickey, has recommended that the bills should be opposed by the trade as against their interests. Copies of the bills have been sent out by Walter L. Filmer, secretary of the Perfumery, Soap and Extract Association, 510 N. Dearborn St., Chicago.

Face-to-face work for the removal of \$1.10, one half the total tax borne by alcohol, is contemplated as soon as the members of Congress are back in Washington for the sessions beginning Jan. 3. It is reported by Washington offices representing the alcohol users that most favorable replies have been received from both senators and representatives in answer to requests for the reduction in the tax. These letters will be used in approaching other congressmen on the matter.



## The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 56

### DANDELION ROOT AT 35cLB. TO ARRIVE

Spot Scarce and Firm—Colombo Root Active—Agar Agar Easy—Buchu Leaves Steady—Cascara Sagrada Active—Insect Powder Inside at 65c lb.—Japan Wax Firm for Shipment—Spanish Saffron Easy

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced  
Vanilla Beans, Bourbon, 50c lb.  
Declined  
Ipecac Root, Cartagena, 5c lb. Senega Root, 1c lb.

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Aconite Root, U.S.P.....	\$50	\$50	\$50	\$...	\$90	\$12
Buchu Leaves, Short.....	.90	.90	.87	1.10	4.00	.85
Cantharides, Russian.....	1.25	1.25	1.25	2.00	9.00	2.10
Cocculus Indicus.....	.02½	.03½	.03½	.03½	.85	.03
Ergot, Spanish.....	.38	.38	.38	.60	4.50	.54
Insect Powder, pure.....	.65	.65	.65	.70	1.00	.28
Ipecac, Cartagena, powd...	2.60	2.60	2.60	1.70	4.80	1.35
Nux Vomica.....	.05	.05	.05	.07	1½	.07
Opium, gum.....	8.00	8.00	8.00	6.75	30.00	5.00
Rhubarb Root, H. D.....	.34	.34	.36	.45	1.75	.15
Tragacanth, No. 1, ribbon..	1.35	1.35	1.45	1.80	6.00	1.50
Wild Cherry Bk., thin nat.	.14	.14	.11	.09	.21	.07
Average .....	1.35	1.35	1.36	..	5.28	1.00

The trade is waiting until the opening of the new year before passing judgment on what may happen during 1924. The consensus of opinion is that if demand should open in a broad way, some sharp advances would be noted in a number of items, owing to the exceptionally low condition of stocks. Considerable business has been transacted for shipment of goods right after New Year's Day. The Coast remains firm in regard to shipment prices and offerings are more or less limited. Stocks held in the South are said to be none too heavy, and the cheaper items are in the minority. Little material is coming out of Germany at the moment. The unfavorable exchange rates from the Continent have caused an easing off in export trade.

Dandelion root is quoted at 28c to 30c lb. spot, if procurable, while arrivals are being held at 35c lb. Colombo root is in active demand. Agar agar is easy on spot and offerings from Japan are on the increase. Buchu leaves are quiet with replacements about equal to spot. Some large sales of cascara sagrada were reported with most business confined to contracts. Insect powder is firm at 65c lb. and some are asking as high as 70c lb. Japan wax is scarce here and shipment prices are advancing. Spanish saffron is easy owing to increase of offerings and keener competition.

**Aconite Root**—U.S.P. quoted firm at 50c lb. spot.

**Agar Agar**—Named easy at \$1.55@1.60 lb. spot for No. 1, and \$1.40@1.50 lb. for No. 3. Offerings are on the increase from primary market. Business reported routine last week.

**Aletris Root**—Quoted at 60c@65c lb. spot.

**Aloes**—Curacao quoted firm at 11c@11½c lb. spot. Recent imports have been heavy, although reports are heard that most of these goods have been "sold to arrive." Last week saw 555 cases entered at New York. Barbadoes quiet at 65c@70c lb. spot. Cape at 9c@10c lb.

**Althea Root**—Cuts easy at 23c@25c lb. spot.

**Anise Seed**—Spanish held at 15½c@16c lb. spot with some quarters inside at 17c lb. and up. Shipment strong

with tendency to higher figures. Star at 12c@12½c lb. spot.

**Arabic Gum**—Amber sorts quoted at 12½c@13½c lb. spot as to quality with some houses holding to 13c lb.

**Balm Gilead Buds**—Active and firm at 50c@55c lb. spot.

**Balsams**—Canadian fir quoted steady at \$12.80@13.00 gal. spot, and Oregon fir at \$1.60@1.85 gal. as to seller and quantity. Peru easy at \$1.75@1.80 lb. spot with possibilities of shading these figures on firm business. Tolu firm and active at \$2.25@2.50 lb.

**Belladonna Leaves**—Higher prices are freely predicted in the trade owing to steadily advancing import costs and scarcity here in this market. Quoted at 22c@23c lb.

**Buchu Leaves**—While business has not been transacted in a big way, several small lots were taken off the market. Quoted at 88c@93c lb. spot for bales, and 98c@1.03 lb. for less.

**Cantharides**—Russian easy \$1.25@1.30 lb. spot for whole, and \$1.40@1.50 lb. for powdered. Chinese easy at \$1.05@1.10 lb. for whole, and \$1.25@1.30 lb. for powdered.

**Caraway Seed**—Steady at the moment at 25c@26c lb. spot for Dutch. Last week saw 1,243 bags entered at New York. African at 24c@25c lb.

**Cascara Sagrada**—Firm at 27c@30c lb. spot for new peel, and 28c@32c lb. for old bark. Contract business active. Offerings from Coast are on increase, according to reports and are held at 21c to 22c lb.

**Celery Seed**—Firm at 26c@27c lb. spot as to quantity.

**Chamomile Flowers**—Quoted quiet at 95c@1.05 lb. spot for Roman, and 8c@9c lb. for Hungarian.

**Clover Tops**—Firm at 27c@29c lb. spot.

**Cloves**—Zanzibar steady at 35c@38c lb. spot with tendency to higher figures.

**Colombo Root**—This item has again resumed some activity after having been quiet for the past four months. Late last week an inquiry was received for 10 tons. Quoted at 2½c@3c lb. spot.

**Cotton Root Bark**—Easy at 18c@20c lb. spot with tendency to lower figures.

**Dandelion Root**—While spot is named at 28c@30c lb., if procurable, goods "to arrive" are held at 35c lb., and from the condition of stocks here, prices are apt to go still higher.

**Elm Bark**—Select steady at 29c@31c lb. spot with tendency to lower levels.

**Ergot**—Easy at 36c@38c lb. spot.

**Gentian Root**—Competition keen at 8c@8½c lb. spot.

**Hellebore Root**—White powdered quoted at 16c@17c lb. spot and quiet thereat.

**Insect Powder**—Powdered inside at 65c lb. up to 70c lb. as to seller. Position strong with tendency to higher flowers. During past week 25 bales of flowers were imported at New York. Shipment advancing with offerings more or less limited.

**Ipecac Root**—Cartagena quoted lower at \$2.10@2.20 lb. spot for whole, and \$2.55@2.65 lb. for powdered. Rio supplies available at \$2.10 lb. for whole.

**Japan Wax**—Firm on spot at 17½c@18c lb. with shipment limited.



**Mandrake Root**—Steady at 21c@22clb. spot.

**Saffron Flowers**—Spanish quoted at \$34@35lb. spot, and American at 78c@80clb.

**Sarsaparilla Root**—Spanish firm at 26c@28clb. spot with tendency to firmness owing to Revolutionists holding up shipments from Mexico.

**Senega Root**—Lower at 63c@67clb. spot.

**Vanilla Beans**—Mexican quoted nominally at \$10.00@ \$12.00lb., and cuts at \$6.25@6.50lb. Reports are heard that shipments of cuts from Vera Cruz have been held by the Rebels, for an export duty. Bourbons named at \$6.25@6.50lb. with tendency for all holders to withdraw offers until the new crop has been received in this market. Last week saw 93 cases Bourbons entered at New York, and 143 cases of Java beans from Batavia.

### NEW RULING ON TAX-FREE ALCOHOL

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 2—Municipalities will not be required in the future to give bonds when withdrawing tax-free alcohol, the Bureau of Internal Revenue advises in a circular directed to collectors of internal revenue and prohibition directors. The Bureau's ruling is in accord with a legal opinion rendered in the matter of the bond liability of a city which gave bond under Regulations 61 for the withdrawal of alcohol free of tax under Section 11 of Title III of the Prohibition Act.

The question was whether a municipal corporation is a municipal subdivision of a state, and it was decided that such a corporation is, within the meaning of the law, and that Article 82 of Regulations 61 should be amended by striking out the provision requiring a municipal subdivision to give bond as a condition of withdrawing alcohol tax-free. Such bonds shall not be demanded and accepted in the future, and all such bonds now held must be canceled, the Bureau of Internal Revenue ruled.

### OPPOSE GENEVA FOR OPIUM MEETINGS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 2—Opposition has developed in the American Opium Commission to holding the International Narcotic Conference scheduled for November, 1924, at Geneva, according to a statement by Representative Porter, chairman of the Foreign Affairs Committee of the House, and a member of the Commission. Geneva was selected as the place of meeting by the League of Nations. Representative Porter said Switzerland had failed to ratify the opium convention and that Basle had become a center for the manufacture and distribution of narcotics, some of which were shipped in violation of the laws of European nations that had ratified the convention.

London, Paris, Brussels and The Hague have been suggested as the place for holding the 1924 conference, instead of Geneva, said Representative Porter.

Salesmen of the New York branch and Atlantic Coast territory of Parke, Davis & Co., ended a four-day convention Saturday, Dec. 29, with a banquet at the Hotel Astor, New York. George R. Tompkins, New York manager, was in charge of the sessions.

Wrede & Lange, dealers in botanical drugs, have dissolved partnership by mutual consent. The firm was composed of Frederick H. Wrede and Fred Lange. They specialized in senega root.

Schiffelin & Co. have entered judgment for \$896.48 in New York county against Daniel L. Smith.

### CHICAGO CHEMICAL ASS'N HOLDS BANQUET

The 22nd annual Christmas banquet of the Chicago Drug & Chemical Association was held on Thursday evening, Dec. 20, at the Hotel LaSalle. More than 350 members and friends attended. A. C. Setpan, Chicago manager of Roessler & Hasslacher Chemical Co., presided and introduced Captain Irving O'Hay, U. S. A. (retired), who was the hero of Richard Harding Davis' "Soldiers of Fortune." Captain O'Hay's speech was full of humor, with occasional touches of pathos.

A vaudeville performance followed, consisting of ten head-line acts.

The committee in charge included: A. W. Hobart, chairman; H. C. Arms, E. L. Drach, H. C. Ellis, Lester B. Gordon, A. C. Henderson, Ottmar M. Krembs, William Loewenstein, Clarence Morgan, P. A. Rising, Dr. Claude Searle, and B. F. Zimmer.

### DRUACHEM CLUB MAY TAKE NEW QUARTERS

A special meeting of the Druachem Club, New York, has been called for Jan. 3 at 2:00 P.M. at the club quarters, 160 Pearl st., by President Ralph Jennings. Opportunity to secure new quarters on John st. in the heart of the New York drug and chemical district, formerly occupied by the Optical Club, is the matter which will be taken up. The prospective quarters are larger and well equipped for club use, as well as being more centrally located than the present place. President Jennings stated that if the new location is chosen at the meeting, he foresaw a material expansion in the club's activities during 1924.

Heroin addiction can be checked only by legislation against its manufacture and by an international agreement preventing importation and exportation of this drug, according to the New York Health Department's Weekly Bulletin. It says further that the heroin question is not a medical one, as heroin addicts spring from vice, evil associates and bad environments.

In cases where the Prohibition Unit has not acted upon requests for renewals, 1923 permits will continue in force until Jan. 31, if Prohibition Commissioner Haynes is notified by permittees that notice of action upon application for renewal has not been received. Notification to the Bureau must be made by registered letter.

London "Chemist and Druggist" has just issued its annual diary for 1924. This book, the 56th annual publication, also contains valuable information on British trade customs, government regulations, and sources of supply of drugs and chemicals.

A new wholesale drug firm may be organized in Galveston, Tex. as a result of the desire by retailers in that city to buy in their own town. A recent meeting of the Galveston Retail Druggists Association voted in favor of a local wholesale house.

Opium valued at \$70,000 was seized on the President Lincoln at San Francisco, but the vessel escaped seizure because it is owned by the U. S. Shipping Board.

Boots Pure Drug Co., London, has declared an interim dividend of 9 per cent, less tax, for quarter to Dec. 31, payable on that date.

Stock and fixtures of Mitchel Drug Co., 2590 Fifth Ave., New York, damaged Dec. 9, were insured for \$30,500.

Publicker Commercial Alcohol Co., Philadelphia, is building a one-story structure at its plant.

## The Essential Oil Market

Current Spot Quotations of Essential Oils, 60, Aromatic Chemicals 61

### BOIS DE ROSE AND LINALOE FIRMER

Owing to Scarcity and Mexican Revolution—Oil Bergamot Lower—Oils Caraway and Cassia Easier—Oil Citronella Active—Oil Sandalwood Lower—Oil Wormseed Firm and Scarce

#### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

<b>Advanced</b>	
Oil Bois de Rose, 25c lb.	Oil Lavender, Spike, 5c lb.
	Oil Linaloe, 10c lb.
<b>Declined</b>	
Oil Bergamot, Coppers, 15c lb.	Oil Cassia, Redistilled, 10c lb.
Oil Caraway, 25c lb.	Oil Coriander, \$1.00 lb.
	Oil Sandalwood, E. Ind., 15c lb.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot .....	\$2.75	\$2.90	\$2.75	\$3.00	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.95	.95	1.00	.55	.92	.60
Oil Cloves .....	2.50	2.50	2.50	2.00	3.70	1.40
Oil Lemon, Italian .....	.72	.72	.75	.65	1.70	2.00
Oil Peppermint, Nat.....	3.25	3.25	3.25	3.00	9.00	2.25
Oil Sandalwood, E. I.....	6.75	6.90	7.10	7.00	13.00	5.25
Oil Sassafras, Artif.....	.38	.38	.38	.42	1.00	.25
Benzaldehyde, U.S.P.....	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin .....	4.30	4.30	4.50	4.00	\$1.00	3.10
Methyl Salicylate, Cans.....	.47	.47	.47	.57	1.00	.30
Vanillin .....	.50	.50	.40	.45	.95	.20
Average .....	2.20	2.22	2.23	2.05	6.83	2.05

The essential oil market is showing unusual activity, for this time of the year. The inventory of a number of consumers evidently needed replenishing, and buying will probably be necessary for many houses this month. Prices, as a rule, are holding firm in spite of the easier exchange rates. Domestic oils are well held and higher shipment values are assured, according to the trade. The attempt of buyers to beat down prices does not appear to be meeting with much success. Confidential shading is lowering the market on some items, but in a broad way, becomes less a factor as time goes on.

Oil linaloe has advanced again and is now quoted inside at \$2.60lb. Oil bois de rose is sharply higher. Oil bergamot is in better supply both on spot and for shipment. Oil caraway is quoted in limited quantities only at \$8.25lb. Little oil citronella is being offered at the moment with tendency to firmness for some time to come. Oil sandalwood is easing off. Oil wormseed is held at \$7.00lb. spot with little goods coming forward.

#### Essential Oils

**Oil Amber**—Rectified in small demand at 90c@\$1.00lb. spot.

**Oil Angelica Root**—Supplies are ample for present needs at \$38@\$39lb. spot.

**Oil Anise**—Supplies on spot are still accumulating and prices of 42½c@45c lb. can, no doubt, be shaded. Offerings from China are on the increase. Stability in this item could be attained, providing production ceases for at least a year, according to factors in the trade.

**Oil Bay**—In active demand at \$2.50@\$2.60lb. spot firm thereat.

**Oil Bergamot**—Coppers quoted lower at \$2.75@\$3.00 lb. spot. Offerings from abroad are easier and supplies here are said to be on the increase. London quoting 12s 6d per pound.

**Oil Birch Tar**—Rectified named at \$1.10@\$1.15lb. spot.

**Oil Bois de Rose**—Quoted higher at \$3.25@\$3.50lb.

spot owing to scarcity of supplies here and abroad. London reports an easier market at 13s 6d per pound.

**Oil Cade**—In good supply at 35c@40c lb. spot for U.S.P. in 25lb. tins.

**Oil Cajuput**—Native quoted easy at 80c@85c lb. spot.

**Oil Camphor**—Japanese white named at 13½c@15c lb. spot in cases, and 13c@15c lb. in drums. Demand quiet at the moment.

**Oil Caraway**—Quoted lower at \$8.25@\$8.50lb. spot, although supplies are said to be none too plentiful. Demand has been steady with most business being done between dealers. London naming 40s per pound and firm thereat.

**Oil Cardamom**—Firm and steady at \$30.00@\$33.00lb. spot.

**Oil Cassia**—Has declined and now quoted at \$2.65@\$2.75lb. spot owing to easier shipment figures and slow demand here. London quoting 10s 9d per pound with tendency to scarcity, although 65 cases were recently landed.

**Oil Cedar Leaf**—Quoted firm at \$1.05@\$1.10lb. spot.

**Oil Cedar Wood**—Interest has revived in this item and now best inside price is 28c lb. up to 30c lb. spot.

**Oil Citronella**—Ceylon quoted firm at 95c@\$1.00lb. spot in drums, and \$1.10@\$1.15lb. in tins. Shipment prices are steady, although offerings are on the increase. All the oil received in this market appears to be pure, and some factors state that a long time has elapsed since other than adulterated oil has been received at this port. London 4s per pound on spot, and shipment at 3s 9d per pound. Java firm and scarce at \$1.05@\$1.10lb. spot in drums, and \$1.10@\$1.15lb. in tins. London reports that good business has been transacted in late positions.

**Oil Cloves**—Firm and active at \$2.50@\$2.60lb. spot. Supplies reported none too plentiful.

**Oil Coriander**—Has declined and now quoted at \$16@\$17lb. spot.

**Oil Erigeron**—Named at \$1.25@\$1.35lb. spot with tendency to higher figures owing to strength in country.

**Oil Eucalyptus**—Strong and active for limited stocks that are available at 70c lb. in drums, and 72½c@75c lb. in cases. Shipment values are said to be as high if not higher than spot.

**Oil Geranium**—Bourbon easy at \$7.00@\$7.50lb. spot, and African at \$7.50@\$8.00lb.

**Oil Juniper Berries**—Recent activity in this item has slowed up, although market is still strong at \$1.25@\$1.35lb. spot.

**Oil Lavender**—Spike higher at 70c@80c lb. spot owing to scarcity. U.S.P. quoted at \$4.50@\$6.00lb. as to quality.

**Oil Lemon**—Italian named at 72c@85c lb. spot as to seller and quantity with some quoting 75c lb. inside. American at 70c@75c lb.

**Oil Limes**—Distilled firm and active at \$1.00@\$1.05lb. spot.

**Oil Linaloe**—Has advanced and now quoted at \$2.60@\$2.75lb. spot with tendency to scarcity here. Supplies

**Oil Orange**—Italian easy at \$3.00@\$.30lb. spot, and West Indian at \$2.35@\$.245lb. American at \$2.80@\$.285lb. Contract business reported active.

**Oil Peppermint**—Spot steady and quiet at \$3.25@\$.335 lb. for natural, and \$3.45@\$.355lb. for redistilled. Country has not weakened as yet, according to late reports.

**Oil Sandalwood**—East Indian lower at \$6.75@\$.700lb. spot.

**Oil Wormseed**—Spot firm and scarce at \$7.00@\$.750 lb. spot. The trade is looking for weakening in country, providing the report that the possibility of growing good quality oil in Illinois be a reality.

#### Aromatic Chemicals

**Coumarin**—In active demand at \$4.50@\$.465lb. spot, and \$4.45lb. from resale quarters.

**Heliotropin**—Domestic named at \$1.85@\$.200lb. spot, and imported at \$2.50@\$.275lb.

**Musk Ambrette**—Quoted at \$15@\$.16lb. spot, if procurable. Reports are heard that no more goods are offered for shipment.

**Terpineol**—Easy at 50c@.51c lb. spot in drums, and 52c@.54c lb. in cans. Imported at 95c@\$.120lb.

**Vanillin**—In active demand from candy manufacturers at 50c@.51½c lb. spot, as to quantity.

#### The Tin Market

**Tin**—Has eased off slightly and now quoted as follows: Straits at 46.75c lb.; standard at 46.75c lb.; and 90 per cent at 46c lb. Arrivals for the month are 5,280 tons at Atlantic ports; 115 tons at Pacific and 3,731 tons afloat.

#### USE EUCALYPTUS OIL TO RUN CAR

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 2—The Australian government is said to be much interested in recent experiments in the use of eucalyptus oil as a motor fuel, according to a report published in the *Courier des Petroles*, Paris. It seems that tests made by Captain C. M. Dyer demonstrated that eucalyptus oil can be readily employed as a substitute for gasoline particularly in motors. The only difficulty reported is that the motor must first be heated before it will operate with this oil. On the other hand the calorific value of eucalyptus oil is said to be very high.

Comparative tests with a certain type of automobile are claimed to have given the following results: The car ran 24 miles on a gallon of gasoline, 28 miles on a mixture of gasoline and eucalyptus oil, and 36 miles on a gallon of eucalyptus oil alone. (The gallon referred to is the imperial gallon, which is one-fifth larger than the American gallon.)

It is claimed that there is no carbon deposit when a mixture of this oil with gasoline, benzol, and alcohol is used. There are said to be 170 varieties of eucalyptus in Australia and that, by a very simple process of distillation, 25 pounds of oil can be obtained from 1,000 pounds of the leaves.

"Profumi Italiani" is the name of a new publication at San Remo. Prof. Guido Rovesti and Paolo Stacchini, who are in charge of the paper, announce that it will contain special reports on the markets, and statistics of Italian production of essences and oils.

J. B. Daniel, of Atlanta, Georgia, has been appointed agent in this territory for Houbigant's perfumes.

#### FRENCH PRICES RUIN BRITISH PERFUMERS

Perfumers of Great Britain have been facing a real crisis owing to French rivalry and in a number of cases bankruptcies have resulted, according to an article in the *London Daily Telegraph*, which says in part:

"To our immense regret, we learn that within the last two months the proprietors of two of the oldest houses in the trade (both being established in the eighteenth century) have had to dispose of their businesses. To our certain knowledge there are many other perfumery houses of considerable age rapidly approaching the same condition of affairs. We can, in fact, import here our own soaps from France and retail them to the public at prices which do not even represent our prime cost of the very same articles manufactured here in England!

"On the other hand, if we send those same British-made high-cost soaps to France a duty of 28.80 francs per 100 kilos on perfumed toilet soap and 120 francs per 100 kilos on transparent soap, added to the selling prices, renders those prices utterly prohibitive. Our greatest and fiercest competitors in the trade are the French. They do not generally take the risk of quoting their prices in francs to this country, owing to the shifting nature of the exchange, but in sterling. They thus have been making such profits out of their British trade that one of the two leading French houses has been able this week to reduce its prices by no less than 40 per cent, notwithstanding the fact that the prices of raw materials have not fallen."

#### TRACING ADULTERATION OF CITRONELLA

Years ago oil citronella was adulterated with kerosene and the market was entirely spoiled, according to M. Kelway Bamber, Indian Government analyst, in the *"Ceylon Observer."* He says: "The present complaint is that alcohol is being used as an adulterant, possibly Java spirit, or sugar alcohol. I asked the Low-country Products Association to look into the matter with a view to stop the adulteration and reject all samples containing the least quantity of alcohol. There is no alcohol in pure citronella oil. Local arrack is not being used, and unless the spirit is extracted, it is useless, and the extraction of pure spirit is not easy and not cheap.

"Alcohol in citronella oil can be got rid of, but kerosene cannot, since even further distillation will not remove the kerosene taint. Efforts should be made to stop the dishonest and destructive methods of adulteration in order to save a valuable industry from extinction. At the meeting of the Committee of the Low-country Products Association the matter came up for discussion, and a subcommittee consisting of A. W. Winter, J. E. Perera, D. H. P. Abeyawardene, with power to co-opt more members, was elected to go into the matter and report. It has been found that the adulteration of citronella oil is done not by the producer but by the middleman, and it is stated that the producer gets for his pure oil a price considerably higher than the market price."

Business is fair in essential oils with few price changes to report, according to the *London "Chemist and Druggist,"* which says in part; "American wormseed has advanced. French spike is dearer. Oil cassia is scarcer on spot. Ceylon citronella is a shade easier. Java has been in good demand in the late forward positions."

Richard Hudnut, New York, toilet preparations, recently held a five-day sales convention at the Hotel Astor, attended by about sixty salesmen.



## The Foreign Markets

Imports of Drugs and Chemicals, page 65

### BROMIDES FIRMER IN LONDON

Shellac and Menthol Easier—Few Price Changes During the Week—Gum Arabic, Antimony, Aspirin, Barbitone and Sodium Cacodylate Steady

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Jan. 2—The markets closed practically unchanged. Prices are firmer for gum arabic, antimony, aspirin, barbitone, sodium cacodylate and the bromides. Shellac and menthol are easier.

London, Dec. 22, (By Mail)—With few exceptions, the numerous advances reported last week are firmly maintained. Bromides are easier, Balsam Tolu has come on offer from the Continent and Cassia Oil for forward shipment has declined. Carbolic Acid Crystals are still tending easier in the absence of demand. In Fine Chemicals the tendency continues very firm and judging from advices from British manufacturers and the Continent a well sustained market is probable for some time to come.

Cocaine has been advanced by the makers, but much less interest now-a-days attaches to this once important world product owing to the onerous penalties and new irksome restrictions which hamper its legitimate sale and distribution. Morphine Salts are falling into the same category and important transactions are now of rare occurrence.

Salicylates had at one period been over-produced and a good deal of cutting resulted to below manufacturers' cost price. The position has gradually improved and resale stocks are rapidly disappearing so that the prospects are much more favorable today for continued production.

Cocaine Hydrochlor, 17s to 17s6d per oz.

Potash Caustic, £33 per ton and short in supply.

Castor Oil—Medicinal, 65s per cwt., First Pressings, 60s per cwt.; Seconds, 59s, per cwt. in ton lots.

Acetanilid in short supply, 3s6d per lb.

Acetic Acid 80%, at £50 per ton; Glacial in casks, £60; Glacial in carboys, £73.

Bromides, Ammonium, 9½d; Potassium, 9d; Sodium, 9d, ton lots ¼d per lb. lower.

Caffeine Pure Crystals, 12s9d has rising tendency.

Balsam Tolu, 10s6d per lb., c.i.f. spot 11s6d.

Carbolic Acid Crystals, 11½d to 1s in large drums.

The Baillie Library, of Chemistry at McGill University, Montreal, established by the late John Baillie, in memory of his son Lieut. George Irvine Baillie, killed at the battle of Amiens in 1918, was opened on Dec. 11. Dr. R. F. Ruttan, Director of the Department of Chemistry briefly reviewed the origin and character of the Library.

At Quebec, Canada, a petition in bankruptcy has been presented by Bouchard & Lepage, contractors, against the Bay Sulphite Co. of Montreal, operating in the Lake St. John district and in Gaspé. The petitioners claim \$22,000 due them for cutting timber in Chandler, Gaspé.

Mme. Curie, who discovered radium, will receive a pension of 40,000 francs annually as the tribute of the French Government to her twenty-five years work, and upon her death the pension will revert to her two daughters.

### FOREIGN EXCHANGE

	Par Current
Great Britain (pound sterling) .....	\$4.886 \$4.35
France (franc) .....	.193 .051
Italy (lira) .....	.193 .043
Germany (mark) per hundred .....	23.80
Czechoslovakia (crown) per hundred .....	20.30
Poland (marks) per hundred .....	23.80
Japan (yen) .....	.499 .064
Holland (guilder) .....	.402 .379
Spain (peseta) .....	.193 .130
Belgium (franc) .....	.193 .045
Switzerland (franc) .....	.193 .175
Sweden (crown) .....	.268 .264
Denmark (crown) .....	.268 .178
Argentina (peso) .....	.424 .321
Brazil (milreis) .....	.324 .100
China (Silver dollar—Hongkong) .....	.789 .512
(Tael—Shanghai, silver) .....	1.082 .723
(Tael—Peking, silver) .....	1.156 .765

### MORE FERTILIZERS USED IN FRANCE

The consumption of artificial fertilizers in France for 1913, 1921, and 1922, was as follows:

Items	1913 Met. tons	1921 Met. tons	1922 Met. tons
Natural phosphates .....	1,218,000	813,000	1,248,000
Superphosphates .....	1,875,000	1,380,000	2,095,000
Slag .....		115,000	330,000
Chilean nitrate .....	316,000	307,000	158,000
Nitrate lime and cyanamide .....	21,000	21,000	31,000
Sulfate of ammonia .....	96,000	116,000	128,000
Potash fertilizers .....	61,000	647,000	

The falling off in the consumption of Chilean nitrate of soda, was due to the adverse exchange conditions, this product being sold only on the basis of the English pound sterling, says Commercial Attache Chester Lloyd Jones, of Paris. On the other hand, compared with 1913, there is a satisfactory increase in all the other items for which information is available.

The production of fertilizers is shown in the following table:

Items	1913 Met. tons	1921 Met. tons	1922 Met. tons
Superphosphates .....	1,920,000	1,404,000	2,132,000
Phosphate slag .....	730,000	391,000	611,000
Potash .....	58,000	146,000	207,000
Cyanamide .....	12,000	13,000	29,000
Sulfate of ammonia .....	74,000	52,000	65,000

Total Japanese menthol crop is estimated at 500,000 kin of Hokkaido and 150,000 kin of Sambi, or 600,000 kin, compared with the first estimate of 600,000 kin Hokkaido and 200,000 kin Sambi, or a total of 800,000 kin, according to Assistant Trade Commissioner Paul P. Steintorf, Kobe. He says that the difference is due to dry weather, which prevailed during the early part of the year, and to the excessive rainfall, later.

Imports into Canada of drugs, medicinal and pharmaceutical preparations during October were valued as follows: From Britain, \$77,853; United States, \$112,752; other countries, \$43,007; total, \$233,612; compared with imports in October, 1922: From Britain, \$81,813; United States, \$84,235; other countries, \$36,868; total, \$202,916.

Sulfuric acid production in Germany, according to estimates, will be about 480,000 tons this year, contrasted with 1,727,400 tons in 1913.



# POTASH HEAD SEES FRENCH ACCORD

Herr Rechberg Offers Plan for France To Share In German Industries

An accord between France and Germany on economic lines is predicted by Arnold Rechberg, of the German potash syndicate, in an interview in Paris with a correspondent of the "New York Tribune." Germany, according to Herr Rechberg, is ready for such a partnership and is willing to give France a guaranty of security in the bargain. This spokesman is known to be the unofficial representative of a considerable portion of German industry, as well as personally close to the Marx government. During his stay in Paris the potash head interviewed Premier Poincare, Louis Barthou, president of the Reparation Commission; Marshal Foch, M. Seydoux, chief Foreign Office expert on reparations; Peretti della Rocca, chief of the Foreign Office political department, as well as many representatives in both the Chamber of Deputies and the Senate and important banking and industrial officials.

Herr Rechberg said that Germany's only hope of paying reparations lay through acquirement of money through the nation's industrial and commercial organizations. If France takes over the German railways, state mines and forests as a means of meeting the annual revenues, he believes, France will be disappointed by the results.

The better course, he insists, is for France to take a share in German industrial capital, with the German industries increasing their capitalization 30 per cent and handing this increase over to the French government, which, in turn, could sell it to the French people.

Herr Rechberg said his conferences at Berlin with representatives of American capital had convinced him that Americans were afraid to hand over money to Europe, especially to Germany and to France—to the former because of her dark outlook, and to France because of the conviction that, if Germany sinks, France inevitably will follow.

Brazil has 243 textile mills, with 1,700,000 spindles and 60,000 looms, and employing 130,000 operatives. Production totals 700,000,000 meters of cloth annually.

## Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Commodity	Number	City and Country	Purchase or Agency
Bichromate of potash, 50 tons .....	8682	Cairo, Egypt .....	Agency
Borax, caustic soda, calcium borate .....	8613	Berlin, Germany .....	Purchase
Carbonate potassium, sulfur, copper sulfate .....	8690	Constantinople, Turkey, .....	Purchase
Chemicals, heavy, and oils .....	8662	Milan, Italy .....	Agency
Chemists' specialties .....	8690	Oran, Algeria .....	Agency
Dyes, in either soap, powder, or liquid form .....	8688	Penang, Straits Settlements .....	Agency
Formaldehyde .....	8588	Milan, Italy .....	Purchase
Paints .....	8690	Port au Prince, Haiti .....	Agency
Match-making materials .....	8662	Milan, Italy .....	Agency
Sulfate of copper .....	8584	Milan, Italy .....	Purchase
Wood distillation products .....	8637	Sydney, Australia .....	Agency
Drugs .....	8661	Cairo, Egypt .....	Purchase
Drugs, proprietary medicines .....	8638	Habana, Cuba .....	Agency
Pharmaceuticals .....	8662	Milan, Italy .....	Agency

# HEAVY CHEMICALS NEEDED IN BRAZIL

Paper, Glass, Fertilizer and Soap Factories Numerous In Rio Grande do Sul District

A growing market for industrial chemicals is reported in the Rio Grande do Sul, Brazil, consular district, writes Consul John R. Bradley, of Porto Alegre. The district is composed of the States of Santa Catharina and Rio Grande do Sul, but it is the latter State that offers the greater opportunities for the sale of these commodities. The demand is met largely from England and Germany, both of these countries being well represented.

Manufacturing is developed to a surprising degree in the Rio Grande do Sul district, and several factories recently have been extended. The industry is protected by high tariffs. The factories include paper mills, manufacturing wrapping paper and cardboard in general; 2 glass factories, making bottles, lamp chimneys, dishes, vases, etc.; 1 fertilizer factory, which turns out about 2,000 tons a year, but imports very little material, and does not use sulfuric acid to any great extent; numerous soap and perfume factories; tanneries and carbonated water works; two or three concerns making insecticides and fungicides; and five or six textile factories, some of them employing several hundred men. Imports of industrial chemicals during 1921 were as follows:

Articles	Kilos	Value Milreis	Articles	Kilos	Value Milreis
Acetic acid .....	3,700	11,257	Chemical manures .....	20,000	12,644
Nitric acid .....	47	177	Ethyl chloride .....	28	2,080
Sulfuric acid .....	25,361	32,597	Calcium chloride .....	6,384	6,830
Aniline dyes .....	21,663	660,311	Glycerine .....	291	2,261
Calcium carbide .....	1,296	1,073	Red lead .....	23,751	37,193
Caustic potash .....	284	1,261	Soda ash .....	348,646	151,648
Caustic soda .....	223,651	193,018			

Conditions in the district are fundamentally sound, but its purchasing power in American markets is much reduced, due to adverse exchange rates.

# NETHERLANDS BUYS GERMAN MEDICINES

Total imports into the Netherlands of medicinal preparations from January to September, 1923, amounted to 768 metric tons, valued at 1,827,000 florins (1 florin=\$0.3882 at current exchange), against 766 tons, worth 2,342,000 florins, for the corresponding period of 1922. Of the amount received during this year 435 tons originated in Germany, writes Philip E. McKenney, secretary to the American Commercial Attache at The Hague. A few medicines are also produced locally but the domestic production may be considered as relatively insignificant.

The market for American proprietary medicines is very limited. As a general rule the Dutch people are prejudiced against the so-called patent remedies, and it would be extremely difficult, therefore, to introduce American products of this category without an extensive advertising campaign. The medicine market, similar to that for many other products, is chiefly controlled by Germany.

The Japanese Government issued a proclamation on Nov. 12 providing for a bankruptcy act, under which companies, unable to meet their obligations as a result from the earthquake, are protected from bankruptcy until Aug. 31, 1925, according to F. R. Eldridge, chief, Far Eastern Division.

Imports of dyestuffs and tanning materials into the Union of South Africa during 1922 were valued at \$420,000, of which \$61,000 came from United States and \$243,000 from United Kingdom.

### WHY CLAY IS USED IN RUBBER

Clay has been used extensively in recent years as a rubber compounding ingredient of marked technical value and economy, according to "The India Rubber World." The value of this material in rubber stocks is primarily its influence on the textile properties of the rubber product and its resistance to abrasion.

Clay holds a strong position as regards saving in cost over many other basic ingredients, due to the fact that its volume cost is only a fifth that of crude rubber, one quarter that of gas black and one-ninth that of zinc oxide. Whiting, although it shows somewhat lower volume cost than clay, functions only as a filler in rubber stocks, contributing virtually nothing to their physical qualities.

In the matter of quality several points should be considered in using clay. First comes the question: What is the proper accelerator to use with clay? It is known that some accelerators behave much better with clay than others do. For example, thio-carbanilide by itself is worthless, and ethylidene aniline is not at its best with large quantities of clay, whereas hexamethylene, super sulfur No. 2, diphenylguanidine and others give good results where clay is present.

Tensile and elongation values given by clay are, as a rule, slightly less than those given by zinc oxide, although in some cases the tensile is the same or even greater in certain clay stocks. Here also there is no relation between tensile and abrasive resistance. What is desired in slow wearing stocks is not mere tensile strength but rather the reinforcing or toughness and stiffening effect at the lower elongations which hard clay gives to a notable degree.

One of the first indications of a return of prosperity in the rubber industry is seen in the announcement made by D. W. Whipple, president of Keystone Tire & Rubber Co., that the corporation's factory has resumed production with orders on the books at profitable prices to justify the operation of the plant during 1924 on a basis of largely increased output. Resumption of operations by the Keystone was hailed generally in local rubber circles as indicative of a marked improvement in selling conditions throughout the industry.

Carbon black quotations are nominal and market conditions are in confusion, according to the "India Rubber World," which says: "The fact that the tire trade has for some time not been absorbing its customary amount of this material has also seriously depressed the price. Although carbon black production has been increased and prices are not far above the cost of manufacture, a much greater increase in production is due within the next six or eight months. As low as 7½¢ per pound has been named for car lots."

A. L. Conradi, of Clemson College, South Carolina, has been carrying on experiments, showing that a nicotine preparation will kill boll weevil economically. Results have shown that a 2 per cent solution is sufficient and by using this strength an actual saving can be realized when compared with calcium arsenate, according to his statements. Stems and left-over tobacco stalks form the raw material.

Sarnia Oil & Gas Co., a Canadian company, will erect carbon black plants at Sarnia, Ont. and at Medicine Hat, Alta. which will have a combined capacity of 2,400 pounds per day.

Exports of rubber from Ceylon from January to October, 1923, inclusive were 29,891 long tons. For the corresponding months of 1922, they were 38,818 tons, making a loss of 8,927 tons.

### In the Consuming Markets

E. F. Percy is in charge of the Chemical Department of Holliston Mills, Inc., Norwood, Mass., makers of book cloths.

Pine Waste Products Co., Inc., Stamford, Conn., has purchased a site in Georgia for a pulp and paper mill, for which plans will be prepared at an early date.

Stark Mills, a subsidiary of the International Cotton Mills, will erect a \$2,000,000 plant at Hogansville, Ga., for the manufacture of fabrics and cords for automobile tires.

Illinois Glass Co., with offices in New York, has issued a booklet, "Fifty years of Achievement in Building up a Service of Better Bottles," in which the early hand blown process and the more up-to-date automatic bottle blowing machines are described.

American Thread Co., New York, has purchased 526 acres of land near Dalton, Ga. for the erection of a textile plant with an initial capacity of 30,000 to 40,000 spindles. The new company will be known as American Thread Co. of Georgia, with capitalization of \$2,000,000.

Consolidation of Westpoint Manufacturing Co., and Lanett Cotton Mills at Westport, Ga., is to be recommended at a joint meeting of the stockholders, Oct. 29. The Westpoint Co., makes duck, crash and towelling, while the Lanett Co. manufactures drills, twills, sheetings, and sateens. The fixed assets of the new company will be over \$13,000,000.

The next few months will see considerable expansion in the paper industry. Many mills have projects under way both in this country and in Canada, covering new plants and additions to present mills. Brown Paper Mill Co., Monroe, La., is pushing the construction of a new \$1,000,000 mill; Daily News Paper Corp., Thorold, Ont., is building a new mill costing \$200,000; Meade Fibre Co., Kingsport, Tenn., is building an extension to its plant; Hummel-Ross Fibre Corp., Hopewell, Va., is completing a new pulp and paper mill; Central Paper Co., Muskegon, Mich., completing mill addition; Saint Regis Pulp & Paper Co., Quebec, Que., planning a pulp and paper mill costing \$3,500,000; Backus-Brooks Co., Kenora, Ont., completing mill of 500 tons newsprint capacity daily; St. Maurice Lumber Co., a subsidiary of International Paper Co., New York, constructing a new \$5,000,000 mill at Three Rivers, Que.

The paper industry of the Netherlands has been distinctly prosperous in 1923, says Consul General George E. Anderson in a report to the Department of Commerce. Imports of this commodity have declined and exports have greatly increased. Exports of newsprint during the first nine months of the current year amounted to 21,283 metric tons, compared with 14,244 metric tons in the same period of 1922. Great Britain and Belgium have been the best customers, but 2,059 tons were shipped to the United States. Exports of fine bond and similar papers have increased, 1923 shipments reaching 3,708 metric tons, compared with 3,490 metric tons last year. Shipments of strawboard, which from the export point of view, represents the chief branch of the paper industry, likewise increased, 132,356 metric tons being sent abroad in 1923, compared with 122,091 metric tons during 1922. Great Britain as usual was the chief customer. Exports of packing paper have declined somewhat, 1,923 shipments amounting to only 7,781 metric tons.

## Chemicals for Consuming Industries

Heavy Chemicals, page 40, Fine Chemicals 38, Fatty Oils 54

### CHEMICAL PRICES GENERALLY EASIER

**Holiday Buying of Spot Goods, and Hesitancy in Contracting Far Into 1924, Tend to Soften Prices—Steady Chemical Market Expected During 1924—Prices at Low Ebb**

As a whole, industrial chemical and allied prices are easier this week as a result of restricted spot business as consumers refuse to take on goods until after inventory taking. Hesitancy in contracting further than a few months into 1924, except on alkalis, has also had its effect on values. At current levels, however, chemicals for industrial use are at the lowest point for nearly ten years, even below the levels established in the slump of 1920-21. Figured on labor costs and raw materials, chemicals are cheap to-day. Higher prices might be looked for during 1924 were competition in this country not quite so keen, and production less. A fairly well-balanced, steady market is apparently expected during the coming year.

### Leather Chemicals

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28% .....	\$3.38	\$3.38	\$3.38	\$3.17	\$17.00	\$1.50
Acid, Formic, 90% .....	.12½	.12½	.12½	.16	1.50½	.07
Acid, Lactic, 22% dark .....	.04½	.04½	.04½	.04½	.07	.02
Potassium Bichromate .....	.09½	.09½	.09½	.10	.65	.06½
Epsom Salt, tech. ....	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate, Imp. ....	.11½	.11½	.11	.19	1.25	.18
Soda Ash, 58% wks. ....	1.38	1.38	1.38	1.45	4.10	.69
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04½
Sodium Hyposulfite .....	2.75	2.75	2.75	3.00	3.75	1.30
Sodium Sulfide, 60% wks. ....	.03½	.03½	.03½	.04½	.10½	.02½
Average .....	.980	.980	.980	.998	3.267	.528

Buying of leather chemicals has quieted down to routine demand for actual requirement at this season of the year. Prices are generally unchanged. Corn syrup has been reduced 15c per hundred pounds.

**Acid, Acetic**—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@3.63; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

**Acid, Formic**—Consumption continued good up to the close of the year and with supplies limited prices held firm at 12½c@13c. for the 90 per cent material and 12c@12½c. for 85 per cent.

**Acid, Lactic**—A stronger tone is noted in the market with demand holding up well. Prices are quoted at 4½c@5c. for the 22 per cent dark and 5½c@6c. for light; 44 per cent dark, 9½c@10c and light, 11½c@12c. lb.; dark, 14½c@15c. and light, 25c@30c. lb.

**Acid, Sulfuric**—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@16.00 ton at works; drums named at \$1.10@1.25 and carboys, \$1.25@1.75; 60° in tanks named at \$9.00@10.00 ton; oleum at \$17.00@18.00 ton for 20 per cent; drums, \$1.25@1.75.

**Arsenic**—Red sulfide named at 15c@15½c. on routine demand.

**Epsom Salt**—Prices remained steady at \$1.70@2.00 for the domestic technical as to quantity and \$2.10@2.50 for the U.S.P. Imported technical at \$1.00@1.10 and U.S.P. at \$2.00@2.25.

**Extracts**—Quiet conditions exist in the market at this season and buying is mainly along routine lines. Prices show little change and sales are being made on the old bases. Archil offered at 15c@19c. lb.; chestnut at 1¾c@2c. lb.; cudbear, 16c@17c. lb.; cutch, Borneo, 4¾c@5½c. lb.; fustic, 20c@22c. lb. for crystals and 10c@11c. lb. for liquid; gambier, 8½c@9½c. lb.; hematine, 11c@12c. lb.; crystals, 14c@20c. lb.; hypernic, 15c@16c. lb.; myrobalans, 4½c. lb.; quebracho, 3c@4c. lb.; sumac, scarce, at 7c@9c. lb.

**Formaldehyde**—Continues in large supply and prices are easy at 10¾c@11c. lb. as to quantity.

**Oils**—Demand has fallen off somewhat and prices are inclined to be a trifle easier. Newfoundland cod quoted from 66c@70c per gallon. Refined menhaden quoted at 67c@70c per gallon for the light strained and 70c@73c for the yellow bleached. Linseed oil is lower at 90c in carlots. Olive oil is stronger. Tallow is higher at 8c. lb. Neatsfoot extra steady at 10¾c. lb.

**Potassium Bichromate**—Little activity was reported during the final week and prices remained at former levels at 9½c@9¾c. lb.

**Potassium Titanium Oxalate**—Firm at 28c@30c. lb.

**Potassium Prussiate**—Yellow offered at 22½c@24c. lb. and the red at 48c@50c. lb.

**Soda Ash**—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@2.44.

**Soda, Caustic**—Deliveries slowed up at the close of the year but with nearly all contracts closed for next year a good year is expected. Contract prices are firm with solid in carlots of drums at \$3.10 at works. Ground and flake at \$3.50. Dealers quote less than carlot quantities at \$3.76@3.91 as to quantity, delivered, in the metropolitan district.

**Sodium Prussiate**—Little activity was reported during the week and prices showed no change. Imported quoted at 11¼c@12c. lb. as to seller. Domestic at 12½c. lb.

**Sodium Sulfide**—No change in prices and buying generally quiet. Domestic solid, 60 per cent, quoted from 3¾c@4c. lb. and broken at 4½c@5c. lb.; crystals named at 2c@2¾c. lb. as to seller.

**Tanners' Syrup**—Prices have been reduced 15c per 100lb. and are now named at \$3.36@3.46 as to quantity.

Total imports of hides and skins during October amounted to 28,596,409 pounds, valued at \$6,506,708. This represents an increase, compared with September, but a decrease, compared with August. The total for October includes an item "all other hides and skins" which amounted to 518,603 pounds, valued at \$112,807. Cattle hides, calfskins, goat and kidskins, buffalo hides, and kangaroo and wallaby skins registered an increase, compared with September; kips, horse, colt and ass skins, as well as all classes of sheepskins, showed a



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decline, according to figures compiled by the Hide and Leather Division of the Department of Commerce.

Leather tanners now express themselves generally as more optimistic than they have been in months, says "Financial America." After one of the poorest years in the history of the trade, there are indications of a turn for the better with hide prices strong and showing an upward tendency. However, they are still cautious about making predictions as to next year, but expect that the improvement which has been apparent this month will continue. More optimistic believe that a turn for the better has come.

An article on "A Suggested Method for the Disinfection of Hides and Skins for Anthrax," by Henry F. Smyth, M. D. and Edwin F. Pike, B. S., of the University of Pennsylvania, is published by the New York City Department of Health, July issue. The chemicals used were chlorine, bromine, iodine, hydrochloric acid gas, phosgene, carbon tetrachloride, trichlorethylene, sulfur dioxide, and ammonia.

C. N. Walker and Clyde E. Ozbun, Pittsburg, Kan., will build a two-story leather tanning plant, estimated to cost in excess of \$30,000.

### Paper Chemicals

	Trend of the Market				
	Today	Last Week	Last Month	Last Year	War Peak
Aluminum Sulfate .....	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50
Bleaching Powder .....	1.25	1.25	1.25	2.00	9.50
Casein .....	12½	11	10½	15	20
China Clay, Dom. ....	10.00	10.00	10.00	15.00	25.00
Chlorine Cyl. ....	.05½	.05½	.05½	.05½	.30
Salt Cake .....	21.00	21.00	21.00	25.00	80.00
Sodium Silicate, 40° ..	.80	.80	.80	.95	1.75
Soda Ash .....	1.38	1.38	1.38	1.45	4.10
Sulfur .....	18.00	18.00	18.00	18.00	65.00
Rosin F grade .....	5.70	5.70	5.60	6.30	4.50
Average .....	6.07	6.07	6.21	7.18	13.30

Consumption of paper chemicals is at a minimum at this time of the year. Casein is stronger and is being quoted at 10clb. c.i.f. but buying has shown no important gain.

**Acid, Sulfuric**—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@ \$16.00 ton at works; drums named at \$1.10@ \$1.25 and carboys, \$1.25@ \$1.75; 60° in tanks named at \$9.00@ \$10.00 ton; oleum at \$17.00@ \$18.00 ton for 20 per cent; drums, \$1.25@ \$1.75.

**Aluminum Sulfate**—Firm at recent quotations with iron-free named at \$2.40@ \$2.50 and contracts possibly at \$2.25. Imported named at \$2.20@ \$2.50. Commercial held at \$1.35@ \$1.40.

**Blanc Fixe**—Deliveries are reported fair and prices are steady at \$75.00@ \$80.00 ton for the dry. Pulp named at \$50.00@ \$55.00 ton. Imported dry at \$70.00@ \$72.00 ton.

**Bleaching Powder**—Closed the year firmer with contract consumers covered for the next six months or a year. Competition is still keen in this field but present prices have been steady. Improved buying is expected in the next few months which may have some effect upon prices. Quoted at \$1.25, works.

**Casein**—Has become stronger and imported are asking 10clb. c.i.f. and prompt shipment at 12½c@ 14½clb. for imported and domestic. Recent low prices allowed little

or no profit and holders are now firmer in their views. Imports last week at New York were 7,017 bags from Argentina.

**China Clay**—Deliveries have slowed up but are expected to be resumed after the year gets under way. Crude named at \$6.00@ \$8.00 ton; washed and ground at \$7.50@ \$12.00 ton; filler clay, \$13.00@ \$16.00 ton; coating clay, \$25.00 ton.

**Chlorine**—Contracts were being closed with tanks named at 3clb. and on cylinders at 5½c@ 6clb. Small cylinders at 6c@ 8clb.

**Salt Cake**—Shipments reported smaller owing to inventory period and lessened consumption. Prices are quoted at \$21.00@ \$24.00 ton according to quantity and location.

**Sodium Bisulfite**—Unchanged at 4½clb. for the dry and \$1.25@ \$1.75 for the solution according to strength.

**Satin White**—Named at \$1.45@ \$1.50 by makers.

**Sodium Silicate**—Makers continue to quote 40° at 75c @ 80c as to quantity in tanks and drums; 60° at \$1.75@ \$1.90.

**Soda Ash**—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@ \$2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@ \$2.44.

**Rosins**—Demand has been light with buyers conservative in their purchases. Prices are firmer and quoted as follows: B to H, \$5.70; I, \$5.75; K, \$5.90; M, \$6.20; N, \$6.30; WG, \$7.00; WW, \$7.15.

### TO HOLD PAPER EXPOSITION APR. 7

Managers of the Paper Industries Exposition, to be held during the week of April 7, announce the appointment of an advisory committee as follows: Dr. Hugh P. Baker, executive secretary American Paper and Pulp Association; H. J. Berger, editor, "Paper Trade Journal." J. A. Carpenter, vice-president, National Paper Trade Association; F. D. Cowdery, Albany Felt Co.; N. R. Davis, president American Pulp & Paper Mill Superintendents Association; Joseph L. Fearing, president Salesmen's Association of the Paper Industry; Harry S. Ferguson, paper mill engineer; E. B. Fritz, publisher "The Paper Industry;" Phil A. Howard, president "American Paper Merchant;" C. W. Hurtubis, chairman Woodlands Section, American Paper and Pulp Association; Dr. Ralph McKee, Columbia University; Burton Millar, editor "Paper;" Fred W. Payne, co-manager Exposition; Frank W. Power, president National Paper Trade Association; L. D. Post, publisher "Paper Mill;" Walter J. Raybold, former president American Paper & Pulp Association; Charles F. Roth, co-manager Exposition; George W. Sisson, Jr., former president, American Paper & Pulp Association; R. C. Spear, Cheney Bigelow Wire Works; Henry W. Stokes, president American Paper and Pulp Association; H. S. Taylor, president Technical Association of the Pulp and Paper Industry; Tom Walden, editor "Walden's U. S. Paper Maker;" Dr. Louis E. Wise, New York State College of Forestry.

"Although the production of paper in the few weeks preceding the annual inventory period is not likely to be large it is now evident that the volume of paper production in the past year has been high," says a market review in "Paper and Pulp Industry," the monthly publication of the American Paper and Pulp Association.

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With a prospect for generally good business throughout the coming year in all industry, the paper manufacturers should expect an increasing demand after the first of the year."

## Rubber Chemicals

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$ .39	\$ .39	\$ .36	\$ .35	\$ .45	\$ .35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.11	.11	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	..
Iron Oxide, Span.....	.03½	.03½	.04	.04	.04½	.03
Lithopone .....	.06½	.06½	.07	.06	.08	.04
Sulfur .....	3.05	3.05	3.00	2.50	6.50	2.75
Whiting, Dom. ....	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer.....	.07¾	.08¾	.08¾	.07	.09¾	.09
Average .....	3.462	3.462	3.455	3.820	5.931	..

Although business in rubber chemicals has been confined more or less to routine requirements, the turn of the year is expected to see a resumption of activity owing to the reported small stocks carried by rubber mills. The open Winter is thought to have caused a better demand for tires and when Spring comes, stocks of the finished goods will contain materials that were bought during the late Fall. Changes have been few with tendency for holders to wait and obtain their price. Another carbon black factory is reported under construction in Canada with an output of 2,400 pounds per day.

Ninety per cent benzene is lower owing to a weak market. Carbon black is quiet and routine business only is reported from several directions. Whiting and white barytes have been in active demand. Increased freight rates of \$1.75 ton on imported white barytes have caused a similar advance in the spot quotation.

**Acetone**—Demand is keeping supplies moving regularly. No large quantities are available and prices are firm at present quotations. C.P. at 25c@25½clb.; methyl acetone, \$1.15@1.20; acetone oil, \$1.25@1.30.

**Acid, Acetic**—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@3.63; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

**Aniline Oil**—Demand routine with supplies ample for all requirements at 16c@17clb. works, and 17c@18clb. spot.

**Aluminum Flake**—Steady at \$23@27 ton works as to seller and quantity.

**Antimony Sulfide**—Actual business transacted has been small, although prices are unchanged at 19c@24clb. spot for golden, and 39c@50clb. for crimson.

**Asbestine**—Quiet at \$18@20 ton works.

**Benzene**—Has declined again and now quoted at 18c@20c gal. works in tanks, and 23c@26c gal. in drums for 90 per cent material. Pure, however, remains unchanged at 20c@23c gal. works in tanks, and 25c@28c gal. in drums. With the curtailment of production and the active consumption of gasoline owing to the open Winter, the trade thinks that this item ought to show some stability in the near future.

**Blanc Fixe**—Quoted at 4c@4½clb. f.o.b. New York.

**Carbon Bisulfide**—Little business reported in this item at the moment at 6c@6½clb. spot as to quantity.

**Carbon Black**—Quoted quiet at 11c@13clb. spot for 1c/1 in cases, and contracts at 8c@11clb. Makers are tending to hold up prices, but are finding it rather difficult owing to the increasing production and some distressed lots on the market, which are being quoted considerably below the ruling levels. Export demand quiet at the moment.

**China Clay**—Quoted at \$13@20 ton for domestic at points of production, and \$18@20 for imported.

**Chinoidin**—Steady at 55clb. spot in drums.

**Diphenylguanidine**—Makers report a firm market at \$1.10@1.15lb. spot with little material in outside hands.

**Hexamethylene**—Quoted firm though quiet at the moment at 82½c@85clb. spot. Supplies are said to be none too plentiful, and if demand opens up after the turn of the year, some orders will probably go unfilled.

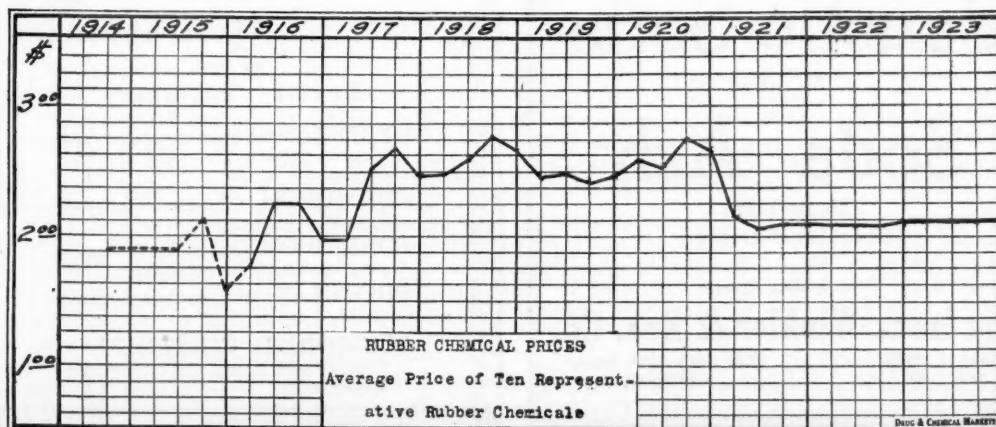
**Iron Oxide**—Named at 3½c@7½clb. spot for Spanish, and 12c@16clb. for English.

**Lithopone**—Quoted easy at 6½c@7clb. spot as to quantity. During past week 4,805 bags were imported at New York from Antwerp, and 60 bags from Rotterdam.

**Mineral Rubber**—Steady at \$35@50 ton for 300/315 quality.

**Sulfur**—Quiet at \$3.05@3.30 cwt.; superfine at \$2.50 @2.90cwt.; and chloride at 6c@7clb.

**Talc**—Domestic quoted at \$15@18 ton works; French at \$40@45 ton; and Italian at \$47@58 ton. During past week 700 bags were imported at New York from Genoa.





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**PROTOLIN**—For stripping woolen  
goods.

**ALUMINUM CHLORIDE** —  
Crystals and liquid, for carbonizing  
woolen stock.

**Thiocarbamilide**—Some activity was reported at 28c@30clb. spot.

**Whiting**—Domestic named at \$13@15 ton works c/l, and imported at \$16@18 ton spot. Demand active.

**White Barytes**—Inquiry on increase and fair sized quantities were disposed of last week at \$26@32 ton f.o.b. St. Louis in c/l. Imported higher at \$29@35 ton spot owing to increased freight rates. Last week saw 1,700 bags entered at New York.

**Zinc Oxide**—Quoted easy at 7½c@8¼clb. spot as to quantity. Demand routine at the moment.

Pratt-Hewitt Syndicate, Refugio, Tex., will construct a carbon black plant estimated to cost in excess of \$230,000, including equipment. It is expected to ask for bids for equipment at an early date.

Thomas Rubber Co. has bought the Wooster, O., plant of Kelly-Springfield Tire Co. The factory and headquarters of the Thomas company are now located at Wooster.

## Textile Chemicals

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28% .....	\$3.38	\$3.35	\$3.38	\$3.17½	\$17.00	\$1.50
Acid Oxalic .....	.12	.12	.12	.13½	.70	.07½
Bleaching Powder .....	1.25	1.25	1.25	2.00	9.50	1.50
Copper Sulfate .....	4.60	4.60	4.60	6.00	20.00	4.50
Epsom Salt, U.S.P. ....	2.15	2.15	2.15	2.25	4.25	1.50
Glauber's Salt .....	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.07	.07	.07	.06½	.87	.12
Soda Ash, 58% wks. ....	1.38	1.38	1.38	1.45	4.10	.69
Soda Caustic, 76% wks. ....	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04½
Average .....	1.742	1.742	1.742	1.865	4.800	1.42

Consumption of textile chemicals has been along routine lines with prices showing little change from previous quotations. Makers of starch and dextrine announced a reduction of 15c. Dyes and dyestuffs have been moving very slowly owing to the restricted operations in textile mills throughout the country.

**Acid, Acetic**—Little change in the situation during the week. Improved buying is expected after the new year gets under way. Prices are steady in makers' hands with 28 per cent at \$3.38@3.63; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

**Acid, Formic**—Consumption continued good up to the close of the year and with supplies limited prices held firm at 12½c@13clb. for the 90 per cent material and 12c@12½clb. for 85 per cent.

**Acid, Oxalic**—Fair buying was reported with prices holding at recent levels. Domestic producers are quoting 12c@12½clb. while imported material is named at 11½c@12clb.

**Acid, Sulfuric**—Contracts for the coming year have been good while spot demand and deliveries during the week were smaller owing to inventory taking. Prices are steady and firm with tanks of 66° named at \$15.00@16.00 ton at works; drums named at \$1.10@1.25 and carboys, \$1.25@1.75; 60° in tanks named at \$9.00@10.00 ton; oleum at \$17.00@18.00 ton for 20 per cent; drums, \$1.25@1.75.

**Bleaching Powder**—Closed the year firmer with contract consumers covered for the next six months or a year. Competition is still keen in this field but present prices have been steady. Improved buying is expected in the next few months which may have some effect upon prices. Quoted at \$1.25, works.

**Chlorine**—Contracts were being closed with tanks

named at 3clb. and on cylinders at 5½c@6clb. Small cylinders at 6c@8clb.

**Epsom Salt**—Prices remained steady at \$1.70@2.00 for the domestic technical as to quantity and \$2.10@2.50 for the U.S.P. Imported technical at \$1.00@1.10 and U.S.P. at \$2.00@2.25.

**Glauber's Salt**—Consumption has fallen off but prices are holding at recent quotations and range from \$1.30 @ \$2.00 according to quantity. Imported named at 85c @ 90c per hundred.

**Potash, Caustic**—Shipments from abroad continue at 6¼c@6½clb. while spot material is named at 6¾clb.

**Soda Ash**—Consumption during 1923 was considered good though a decline was reported in a few consuming industries. Contracts for 1924 have been satisfactory and a good year is anticipated. Prices are firm with contracts for 58 per cent in bags at \$1.38 in carlots at works. Dealers quote \$2.04@2.19 as to quantity, delivered, in New York district. Barrels, \$2.29@2.44.

**Soda, Caustic**—Deliveries slowed up at the close of the year but with nearly all contracts closed for next year a good year is expected. Contract prices are firm with solid in carlots of drums at \$3.10 at works. Ground and flake at \$3.50. Dealers quote less than carlot quantities at \$3.76@3.91 as to quantity, delivered, in the metropolitan district.

**Sodium Acetate**—Quoted at 4¾c@5clb. on routine demand.

**Sodium Bichromate**—Quiet at the close with prices holding at former quotations of 7½c@7¾clb. according to seller and quantity.

**Sodium Prussiate**—Little activity was reported during the week and prices showed no change. Imported quoted at 11¼c@12clb. as to seller. Domestic at 12½clb.

**Sodium Sulfide**—No change in prices and buying generally quiet. Domestic solid, 60 per cent, quoted from 3¼c@4clb. and broken at 4½c@5clb.; crystals named at 2c@2¼clb. as to seller.

### Starches and Dextrines

Demand has been somewhat routine during the last few weeks. Makers have announced a reduction of 15c per hundred pounds. British gum named at \$3.84@3.99; white corn dextrine, \$3.49@3.59; yellow, \$3.54@3.64; potato, 7½c@8½clb.; powdered starch, \$3.05@3.17; pearl, \$2.78@3.07; tapioca flour, 5½c@7clb. Technical albumen continues scarce and nominal around \$1.15lb.

Samples of a wood fiber, known in the State of Vera Cruz as "jonote," have been received from Vice Consul Willys A. Myers, Vera Cruz, by the Textile Division, Department of Commerce and will be made available for inspection to persons applying to the district offices of the Bureau of Foreign and Domestic Commerce, or the Textile Division, Washington, D. C. The jonote is a tree growing to a height of about 45 feet. It produces a fiber the same length as the tree, this fiber being taken from the bark, and might be made available in many textile products, such as mats, bagging and rugs.

Tubize Artificial Silk Manufacturing Co. of Belgium, with which the Tubize Artificial Silk Co. of America is affiliated, has organized a French company with a similar name and having a capitalization of 50,000,000 francs, according to information received by the foreign department of Moody's Investors Service.

James P. Hooper Mfg. Co., Baltimore, will install additional machinery at its plant for the manufacture of artificial silk, under a special chemical process, utilizing wood pulp. James P. Hooper is president.



# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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## Chemicals

<b>ACETANILID</b> , tech. 150 lb bbls. .m			.27	: .28
100 lb kgs. .m			.28	: .30
USP 200 lb bbls. .m			.32	: .33
Second Hands .m			.29 1/4	: .30
<b>Acetic Anhydride</b> , 85% 480 lb dra. .m			.38	: .38
85% 107 lb chys. .m			.38	: .38
92-93% 100 lb chys. .m			.43	: .45
<b>Acetone</b> , CP 700 lb dra. c/l wks. .m			.25	: .25
700 lb dra. c/l wks. .m			.25 1/4	: .25 1/4
350 lb dra. c/l wks. .m			.25 1/4	: .25 1/4
Second Hands, spot. .m			.30	: .32
<b>Acetone Oils</b> , light, dra. wks. .gal			1.25	: 1.30
Heavy, dra. wks. .gal			1.25	: 1.30
<b>Acetophenetidin</b> , 150 lb bbls. .m			1.85	: 1.90
<b>Acetyl Chloride</b> , 100 lb chys. .m			.40	: .41
<b>ACID</b> , 1, 2, 4, 250 lb bbls. .m			.130	: .130
<b>Acetic</b> , 28%, 400 lb bbls. c/l wks. .m			.338	: .338
28% 1e/l wks. .m			.83	: .83
56% c/l wks. .m			6.75	: 7.00
56% 1e/l wks. .m			7.00	: 7.00
70% bbls. c/l wks. .m			8.38	: 8.38
70% 1e/l wks. .m			8.63	: 8.63
80% coml. bbls. c/l wks. .m			9.58	: 9.58
80% coml. 1e/l wks. .m			9.83	: 9.83
80% pure bbls. c/l wks. .m			11.41	: 11.41
80% pure 1e/l wks. .m			11.60	: 11.60
Glacial, bbls. c/l wks. .m			12.78	: 12.78
Glacial, 1e/l wks. .m			13.03	: 13.03
Glacial, USP chys. wks. .m			13.53	: 13.53
<b>Acetylaldehyde</b> , 220 lb bbls. .m			.75	: .85
Second Hands .m			.72 1/2	: .72 1/2
<b>Anthranelle</b> , tech. dra. .m			.84	: .84
99-100% 100 lb dra. .m			1.00	: 1.00
<b>Benzene</b> , tech. 100 lb bbls. .m			.75	: .75
Tech. ton lots bbls. .m			.75	: .75
USP 100 lb bbls. .m			.72	: .77
Second Hands .m			.70	: .77
<b>Boric</b> , crys. powd. 250 lb bbls. .m			.11 1/4	: .11 1/4
Keps. 100 lb bot. .m			.155	: .155
<b>Bromine's</b> 250 lb bbls. .m			.50	: .60
<b>Butyric</b> , 60% pure 5 lb bot. .m			1.25	: 1.50
<b>C.P. 10 lb bot. .m</b>			5.90	: 6.00
<b>Camphoric</b> , USP, VIII 1 lb bot. .m			.38	: .38
<b>Carbolic</b> , USP crys. see also Phenol			.30	: .32
113 lb tins .m			.33	: .35
25 lb tins .m			.37	: .39
5 lb tins or bot. .m			.30	: .33
1 lb bot. .m			.30	: .33
<b>Liquid USP</b> , 1 lb bot. .m			.30	: .33
<b>ACID, Carbolic</b> —(Continued)				
Crude, 25% 50 gal. bbls. .gal			.35	: .36
10%, 50 gal. bbls. .gal			.30	: .32
<b>Chloracetic</b>				
mono 100 lb bbls. wks. .m			.30	: .30
DI, 150 lb chys. wks. .m			1.00	: 1.00
Tri, 425 lb bbls. wks. .m			2.45	: 2.45
<b>Chlorosulfonic</b> , 1500 lb dra. .m			.15	: .16
wks. .m			.15	: .16
<b>Chromic</b> , USP 200 lb drums. .m			.40	: .40
85% Pure, 200 lb drums. .m			.35	: .35
<b>Chromotropic</b> , 300 lb bbls. .m			1.35	: 1.35
<b>Chrysophanic</b> , see Chrysarobin				
<b>Cinnamic</b> , 5 lb cans .m			3.93	: 3.93
<b>CITRIC</b> , USP crys 230 lb bbls. .m			.48	: .48
Powd., USP 200 lb bbls. .m			.49	: .49
Imported, crys. 112 lb kegs. .m			.47	: .48
Single kegs .m			.47	: .48
<b>Cleves</b> , 250 lb bbls. .m			1.00	: 1.10
<b>Cressylic</b> , 95% dark dr. NY. .gal			.70	: .75
97-98% straw, dra. wks. .gal			.75	: .85
97-99% pale, dra. NY. .gal			.75	: .85
Crude, spot, drums. .gal			.60	: .70
<b>Diethylbarbituric</b> , 10 lb lots, 1 lb bot. .m			8.50	: 10.50
<b>Formic</b> 85% tech. 140 lb chys. .m			.12 1/4	: .12 1/4
90%, 80 lb chys. incl. .m			.12 1/4	: .13
<b>Gallie</b> USP, 150 lb bbls. .m			.65	: .65
<b>Gamma</b> , 225 lb bbls. wks. .m			1.70	: 1.70
Bbls. ton lots wks. .m			1.65	: 1.65
<b>Glycerophosphoric</b> , 25% 1 lb b. .m			1.50	: 1.60
<b>H</b> 225 lb bbls. .m			.75	: .80
Bbls. ton lots wks. .m			.72	: .75
<b>Hydriodic</b> , 10% USP 5 lb bot. .m			.73	: .73
<b>Hydrobromic</b> , 48% coml. 155 lb chys. wks. .m			.35	: .40
48% coml. 10 chys. wks. .m			.40	: .40
40% USP 155 lb chys. wks. .m			.45	: .46
10% USP 100 lb chys. wks. .m			.11	: .13
<b>Hydrochloric</b> , see also Acid Muriatic				
CP, USP, 110 lb chys. .m			.09	: .11
<b>HYDROFLUORIC</b> , 30% 400 lb bbls. .m			.07	: .07
30% bbls. c/l wks. .m			.06	: .06
30% 100 lb chys. wks. .m			.07	: .07
48% single 100 lb chys. wks. .m			.11	: .11
48% 10 chys. wks. .m			.10	: .10
52% 100 lb chys. wks. .m			.12	: .12
52% 10 chys. wks. .m			.11	: .11
<b>Acid, hydrofluoric</b> —(continued)				
60% 100 lb chys. wks. .m			.14	: .14
60% 300 lb dr. wks. .m			.13	: .13
White Acid, 100 lb chys. wks. .m			.28	: .28
White Acid, 10 chys. wks. .m			.25	: .25
<b>Hydrofluosilicic</b> , 35% 450 lb bbls. .m			.15	: .16
wks. .m			.15	: .16
<b>Hypophosphorous</b> , USP 30% 5 gal. demis .m			.95	: .95
USP, 10% 5 gal. demis .m			.93	: .93
<b>LACTIC</b> , 22% on 500 lb bbls. .m			.64 1/4	: .65
22% light, bbls. .m			.65 1/4	: .66
44% dark, bbls. .m			.69 1/4	: .70
44% light, bbls. .m			.11 1/4	: .12
66% bbls. dark, bbls. .m			.14 1/4	: .15
66% light, bbls. .m			.35	: .36
<b>USP IX</b> 100 lb chys. .m			.70	: .75
<b>USP VIII</b> 100 lb chys. .m			.70	: .70
<b>Laurent's</b> , 250 lb bbls. .m			.90	: .90
<b>Metanille</b> , 250 lb bbls. .m			.60	: .65
<b>Mixed, sulfuric-nitric</b>				
Drums, wks. .N Unit			.07	: .08
Drums, wks. .S Unit			.01	: .01 1/4
Tank cars, wks. .N Unit			.06	: .07
Tank cars, wks. .S Unit			.0009	: .01
<b>Molybdcic</b> , 85% pure 1 lb bot. .m			1.80	: 1.70
85% pure, 100 lb kegs. .m			1.85	: 1.85
<b>Monosulfonic F, Delta</b> , 50 lb tins .m			2.30	: 2.30
<b>MURIATIC</b> , 20° chys. 1e/l wks. .m			1.45	: 1.80
Chys. c/l wks. .m			1.30	: 1.50
Tank cars, wks. .m			1.00	: 1.10
18°, 120 lb chys. .m			1.00	: 1.10
c/l wks. .m			.90	: 1.00
Tank cars, wks. .m			1.75	: 2.00
22°, 120 lb chys. .m			1.75	: 2.00
c/l wks. .m			1.75	: 2.00
<b>Iron, free 20° chys. .m</b>				
c/l wks. .m				
Tank cars, wks. .bet ton .m				
<b>Muriatic</b> , CP & USP, see Acid Hydrochloric				
<b>Naphthalenic</b> , tech. 250 lb bbls. .m			.62	: .62
Refined, single bbls. .m			.65	: .65
<b>Neville &amp; Winther's</b> , 250 lb bbls. .m			1.10	: 1.10

## COOPER C. P. ACIDS

**HYDROCHLORIC NITRIC SULPHURIC**

6 lb. bots. Case 12 bots.  
Carboys 47 and 112 lbs.

7 lb. bots. Case 12 bots.  
Carboys 50 and 137 lbs.

9 lb. bots. Case 12 bots.  
Carboys 75 and 180 lbs.

Cooper standard quality chemicals have been maintained for 65 years by a policy of conformity to the most exacting specifications of advanced laboratory science.

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NEW YORK CITY

## Chemicals

<b>ACID, NITRIC, 36° 135B</b>			<b>Acid Sulfuric</b>			<b>ALCOHOL—(continued)</b>		
Chys. wks. ....100B	4.75	5.00	Oleum, 20 p.e. 1500B drums,			Isopropyl, crude 50 gal. drs. ....gal	3.25	
Chys. c/l wks. ....100B	4.50	4.75	le/l wks. ....100B	1.50	1.75	Refined, 50 gal. drs. ....gal	4.00	4.50
38° single chys. wks. ....100B	5.50	5.75	Drums, c/l wks. ....100B	1.25	1.50	Ref'd, 91%, drs. ....gal		3.50
Chys. c/l wks. ....100B	5.25	5.50	Tank cars, wks. ....net ton	17.00	19.00	Methyl, see Alcohol, Wood		
40° Single chys. wks. ....100B	6.00	6.50	Contract cars, wks. ....ton			Propyl, nml. crd. 50 gal. drms. ....gal	4.40	
Chys. c/l wks. ....100B	5.75	6.00	Oleum, 40% drs le/l wks. ....net ton		40.00	Refined, 10B can. ....B		.75
42° Single chys. wks. ....100B	6.75	7.50	Oleum, 60% drs., le/l wks. ....net ton		70.00	Denatured		
Chys. c/l wks. ....100B	6.50	7.00	Sulfurous, USP 6% 100B chys. ....B	.05	.05	No. 1 Complete Denat. 188 Proof		
C. F. chys. single wks. ....100B	.14	.16	4% 100B chys. ....B	.04	.05	50 gal. bbls. incl. ....gal	.56	.58
Ozalic, 325B bbls. wks. ....B	.12	.12½	USP, 5 gal. demis. ....B	.06	.08	50 gal. drums, extra. ....gal	.51	.53
Bbls., NY. ....B	.12½	.13	Tannic, tech. 300B bbls. ....B	.80	.82	No. 1 Special Denat. 190 Proof		
Keps. 100B NY. ....B	.13	.13½	USP, fluffy, 50B bbls. ....B	.80	.83	50 gal. bbl. incl. ....gal	.54	.56
Imp., 560B cases. ....B	.11½	.12	USP, powd. 300B bbls. ....B	.80	.83	50 gal. drums, extra. ....gal	.48	.50
Phosphoric, 50% tech. 100B chys. ....B	.08	.09	Tartaric USP cryst 300B bbls. ....B	.30	.30	No. 5 Complete Denat. 188 Proof		
USP, 85% syrupy, 70B demis. ....B	.12	.14	USP, powd. 300B bbls. ....B	.28	.29	50 gal. bbls. incl. ....gal	.53	.55
Phthalic, see Phthalic Anhydride			Imp. USP, 240B bbls. ....B	.28	.29	50 gal. drums, extra. ....gal	.47	.49
Picramic, 300B bbls. ....B		.45	Powd. 240B bbls. ....B	.28	.29	No. 6 Complete Denat. 188 Proof		
Pieric, 450B bbls. ....B		.50	Tobias, 250B bbls. ....B	1.00	1.10	50 gal. bbls. incl. ....gal	.53	.55
Bbls. car lots wks. ....B	.30	.35	Tungstic, 100B kgs. ....B		1.60	50 gal. drums, extra. ....gal	.48	.49
Pyrogallic, crys. 5B cans. ....B	1.20	1.30	Valeric, C.F., 10B bot. ....B	4.00	4.25	In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special use. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.		
Resublimed, 5B cans. ....B	1.60	1.70	Aconitine Alk. cryst. 1 oz. vis. ....oz		30.00	Alcin, USP 100B cases. ....B	.90	.95
Tech. powd., 300B bbls. ....B		1.50	Amorphous, 1 oz. vis. ....oz		20.00	Alpha-Naphthol, crude 300B bbls. ....B		.65
Salicylic, tech. 125B bbls. ....B	.32	.33	Adeps Lanac, hydrous 350B bbls. ....B	.21	.23	Refined, 300B bbls. ....B		.75
USP, 100B bbls. ....B		.35	Anhydrous, 350B bbls. ....B	.23	.24	Alpha-Naphthylamine, 250B bbls. ....B	.35	.37
Second Hands. ....B	.34	.35	Albumen, Egg. exhibe. ....B	1.15	1.25	Ton lots, bbls. wks. ....B		.35
Sulfanilic, 250B bbls. ....B	.17	.30	Technical, see Dyers Sundries					
SULFURIC, 66° 180B chys. ....B			ALCOHOL, USP 100 pf. 50 gal. bbls. ....gal	4.83	4.91			
le/l wks. ....100B	1.50	1.75	Second Hands, bbls, USP 190 pf. ....gal					
Chys. c/l wks. ....100B	1.25	1.50	Export, USP, 190 pf. ....gal	.45	.83			
1500B Drums, le/l wks. ....100B		1.35	Cologne Spirit, 50 gal. bbls. ....gal	4.90	5.00			
Drums, c/l wks. ....100B		1.10	WOOD, see Methanol					
Tank cars, wks. ....net ton	15.00	17.00	Alcohols, also in 50 gal drums, extra and returnable.					
60° 1500B Drums, le/l wks. ....100B	.70	.80	Amyl, see Oil Fuel					
Drums, c/l wks. ....100B	.60	.80	Butyl, 50 gal. drums. ....B	.45	.50			
Tank cars, wks. ....net ton	9.00	11.00	Isobutyl, crude 50 gal. drums. ....gal					
C. F. 175B chys. ....100B		.60	Refined, 10B can. ....B	2.00	2.50			

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Epsom Salt	Aluminum Sulphate	Tin Crystals
Hydrochloric Acid	Aqua Ammonia	Sodium Sulphide
Mixed Acids	Copperas Nitrate Iron	Sodium Silicate
Nitric Acid	Anhydrous Bisulphite Soda	Sodium Phosphate

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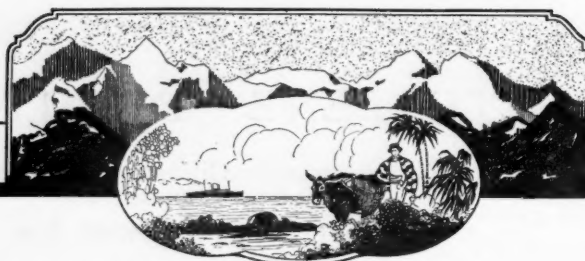
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 Ethylene Oxide  
 Glyco' Diacetate  
 Hexachlorethane  
 Isopropyl Chloride  
 Isopropanol  
 (Isopropyl Alcohol)  
 Paraldehyde  
 Propylene Chlorhydrin  
 Propylene Dichloride  
 Propylene Glycol  
 Propylene Oxide  
 Pentachlorethane  
 Perchlorethylene  
 Trichlorethylene

These chemicals were developed and are made by us. Consult our Research Department about them.

## Chemicals

<b>ALUM, Ammonia, lump 400 lb bbls.</b>			<b>AMMONIA anhyd. 100 lb cpl....</b>			<b>AMMONIUM—(Continued)</b>		
Wks. ....100 lb	3.50	3.65	Water, 25° 800 lb dra. wks..	...	.07½	Persulfate, 112 lb cases.....	.40	.45
Imp., 500 lb casks....100 lb	...	...	Dra. c/l wks. ....	...	.07½	Phosphate, dibasic 200 lb bbls. lb	.35	.36
Ground, 400 lb bbls. wks.100 lb	3.85	3.75	C.P., clys. ....	...	.14	Tech., powd. 325 lb bbls....	.16	.17
Powd., 350 lb bbls. wks.100 lb	3.90	4.00	Imp., 800 lb dra.incl.spot. lb	...	.08½	Salicylate, USP 100 lb kegs..	...	.58
Chrome 500 lb cks wks.100 lb	5.50	6.00	26° 100 lb clys. lb/l wks..	...	.08½	Sulfate, bulk c/l wks....100 lb	...	2.95
Potash, lump 400 lb bbls.	...	...	Clys., c/l wks. ....	...	.08½	200 lb single bgs c/l wks.100 lb	...	3.10
Wks. ....100 lb	...	4.50	20°, 800 lb dra. lb/l wks..	...	.08	200 lb double bgs, f.a.s.100 lb	2.80	2.85
Bbls. c/l wks. ....100 lb	...	4.25	Clys., lb/l wks. ....	...	.07½	Sulfoyanide, tech. 100 lb kegs. lb	...	.50
Cont. bbls. c/l wks....100 lb	...	4.35	18°, 800 lb dra. lb/l wks..	...	.05½	CP, 25 lb jars.....	.75	.80
Imp. 650 lb cases s.p....100 lb	2.85	3.00	Clys., lb/l wks. ....	...	.07½	Amyl Acetate, tech. 50 gal. dra.gal	4.65	4.75
Ground, 400 lb bbls. wks.100 lb	4.35	4.60	16°, 800 lb dra. lb/l wks..	...	.04	90%, 5 gal. cans.....gal	7.00	8.00
Imp. 650 lb casks....100 lb	3.00	3.25	Clys., lb/l wks. ....	...	.07	Alcohol, see Fusel Oil	...	...
Powd., 380 lb bbls. wks.100 lb	4.50	4.75	Ammonium Acetate, 100 lb kegs. lb	...	.40	<b>ANILINE OIL, 900 lb dra.....</b>	.16	.17
Chrome, 700 lb cks wks.100 lb	5.50	6.00	Benzoate, USP, 1 lb bot.....	.98	1.05	Aniline Salt 200 lb bbls.....	.23	.24
Soda, grd. 400 lb bbls. wks.100 lb	...	4.00	Bifluoride, 300 lb bbls.....	.22	.23	Anthracene, 40-45% 600 lb casks	...	...
Bbls. c/l wks. ....100 lb	...	3.50	100 lb kegs. ....	.23	.24	Wks. ....	.12	.17
Aluminum, metal, c/l NY....100 lb	25.50	26.00	Bromide, 50 lb boxes.....	...	.33	80-85%, 600 lb casks wks....	.75	1.00
Chloride, anhyd. 375 lb dra..	.20	.22	Imported, 112 lb boxes....	.17½	.18½	28-30%, Imp. ....	...	.05
30% sol. 120 lb clys.....	.03½	.04	Carb., tech. 360 lb casks....	...	.10	Anthraquinone, subl. 125 lb bbls. lb	1.00	1.10
Hydrate 96% light 90 lb bbls. lb	.18½	.20	Powd., tech. 385 lb bbls. lb	...	.09	30% paste 350 lb bbls.....	...	...
Heavy, 62-64%, 220 lb bgs lb	.06	.06½	USP, lump, 100 lb kegs....	...	.09½	Antimony metal, slabs ton lots100 lb	9.75	10.00
<b>SULFATE, Iron-free bags c/l</b>	...	...	Powd., 100 lb kegs.....	...	.10½	Needle Powd., 100 lb cases....	.08	.09½
Wks. ....100 lb	2.40	2.50	Chloride, Domestic	...	...	<b>ANTIMONY CHLORIDE, anhyd 1000 lb</b>	...	...
Imported, spot ....100 lb	2.20	2.50	White gran. 250 lb bbls.NY. lb	...	.08	Dra. ....	...	.35
Comm'l., ¾% iron, bgs. c/l	...	...	Bbls., c/l wks. ....	...	.07½	50 lb crocks .....	.45	.48
Wks. ....East 100 lb	...	1.40	Gray 250 lb bbls. wks....	.08	.08½	Sol'n, 130 lb carbons.....	...	.11
Cont. bgs. c/l wks. E.100 lb	...	1.40	Bbls., c/l wks. ....	.08	.08½	Oxide, 500 lb bbls.....	.08½	.09
Bags, c/l wks. W....100 lb	...	1.35	Imp. wh. 600 lb cases spot. lb	.06½	.06½	Salt, dom. 500 lb bbls.....	.24	.25
Bbls., c/l wks. East.100 lb	...	1.55	Gray, 600 lb cases spot..	.07½	.08	Imp., NY .....	.19	.20
Bulk, c/l cont. wks. E.100 lb	...	...	Lump, 500 lb casks spot....	.14	.15	Sulfuret, golden 500 lb bbls....	...	.21
Amidol, (see Diaminophenol)	...	...	Ichthyolate. as to brand....	4.25	5.00	336 lb kegs .....	...	.19
Amidopyrine, 10 lb boxes.....	4.60	4.90	Iodide, USP, 25 lb jars.....	...	5.20	Crimson, 500 lb bbls.....	...	.38
1 lb cartons, 10 lb.....	...	...	Lactate, 500 lb bbls.....	.15	.16	336 lb kegs .....	...	.36
Aminozobenzene, 110 lb kgs....	...	1.15	Nitrate, tech. crys. 225 lb bbls lb	...	...	Red, 500 lb bbls.....	...	.45
			Refined Crystals, bbls.....	.18	.20	336 lb kegs .....	...	.42
			CP gran. 100 lb kegs.....	.35	.37	Tartroacetate, 500 lb bbls....	...	.45
			Oxalate, pure, 100 lb kegs....	.40	.42	Antipyrine, USP, 100 lb cases....	2.35	2.50
						Apomorphine Hydrochloride, ¼ oz. via.oz	19.10	19.35
						Arecoline Hybromide, 1 oz. vial. oz	9.00	10.50
						Argols, red powd. 350 lb bbls....	.06½	.07



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Codeine and Salts

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Colchicine Salicylate

Creosote, U. S. P.

Creosote Carbonate

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## Chemicals

Arsenic, metal 220 lb. kegs.....D	...	: .45	Benzidine Base, dry 250 lb. bbls. D	...	: .84	BISMUTH—(Continued)		
Red, 224 lb. kegs cases.....D	...	: .15	10 bbl. lots.....D	...	: .82	Suboxide, 5 lb. lots.....D	...	: 4.70
White, 550 lb. bbls., NY.....D	...	: .13	Benzidine Sulfate, paste 350 lb			Subnitrate, USP, 250 lb bbls....D	...	: 2.90
Asbestos.....ton	16.00	: 18.00	bbls.....D	...	: .72	Second Hands, bbls. or less..D	...	: 2.80
Aspirin, see Acid Acetylsalicylic			Benzol, see Benzene			Cones, 1 lb. bot.....D	...	: 2.95
Atropine Alk. USP, 1 cu. vial....cu	7.50	: 8.00	Benzonaphthol, 5 lb. boxes.....D	3.50	: 3.80	Subsalicylate, USP, 175 bbls..D	...	: 8.10
Sulfate, 5 cu. cans.....cu	...	: 4.00	Benzoyl Chloride, 500 lb. drs....D	...	: 1.90	Tannate, 1 lb. bot.....D	...	: 2.75
Single ounce.....cu	...	: 4.17	Benzyl Acetate, 100 lb. clys....D	1.40	: 1.50	above on basis 25 lb. lots		
BARIUM BINOXIDE, see Barium dioxide			Alcohol, 5 lb. bot.....D	1.60	: 1.70	Smaller lots at an advance.		
Carbonate, precip., 800 lb. bbls.			Benzoate, 5 lb. bot.....D	1.50	: 1.60	Blanc Fixe, dry 400 lb. bbls, wk. ton	75.00	: 89.00
wks.....ton	...	: 70.00	Medicinal FCC.....D	1.75	: 1.85	Imported, bbls.....ton	70.00	: 73.00
Precip., 200 lb. bbls, wks.....ton	...	: 70.00	Chloride, 95% tech. 925 lb. drs. D	...	: .25	Paste, 650 lb. bbls.....ton	50.00	: 55.00
Imports, bbls., spot.....ton	69.00	: 70.00	100 lb. clys.....D	.25	: .30	BLEACHING POWDER, 700 lb. dra.		
Chloride, 800 lb. bbls, wks.....ton	80.00	: 82.00	Redistil. 100 lb. clys.....D	.40	: .45	c/l wks.....100 lb	...	: 1.25
200 lb. bbls, wks.....ton	...	: 80.00	Formate, 1 lb. bot.....D	4.00	: 4.25	Drums lc/l ex-warehouse...100 lb	1.90	: 2.00
Import, bbls., spot.....ton	...	: 85.00	Berberine Hydrochloride, 1 lb. bot....D	...	: 22.50	Contract, c/l wks.....100 lb	...	: 1.25
Dioxide, 88% 680 lb. drs....D	.17	: .18	Sulfate, acid or neut. 1 lb. bot. D	...	: 22.00	F. s. s. c/l.....100 lb	...	: ...
Import, 88-85% 400 lb. drs. D	.18	: .15	BETA-NAPHTHOL, 350 lb. bbls, wks. D	...	: .26	Imported, spot.....100 lb	...	: ...
Hydrate, 500 lb. bbls.....D	.05	: .05 3/4	Carlotia, wks.....D	.24	: .25	Blue Ointment, see Mercury		
Iodide, 5 lb. box.....D	...	: 5.15	Sublimed.....D	.55	: .60	Mass, see Mercury		
Nitrate, 700 lb. casks.....D	...	: .10	Beta-Naphthylamine, tech. 200 lb.			Bone Ash, 100 lb. kegs.....D	...	: .02
Import casks.....D	.08 3/4	: .08 3/4	bbls.....D	...	: .76	Black, 200 lb. bbls.....D	...	: .06
Sulfocyanide 400 lb. bbls....D	...	: .35	Sublimed, 200 lb. bbls.....D	...	: 1.35	Borax, USP, cry. 400 lb. bbls..D	...	: .05 1/2
Barytes, scented 350 lb. bbls....ton	32.50	: 35.00	Bichloride Mercury, see Mercury Bichloride			Powdered, USP, 300 lb. bbls....D	...	: .05 1/2
Ray Eum, Forte Rican, genuine			BISMUTH metal, 150 lb. cases....D	2.50	: 2.60	Keps, USP, 100-150 lb.....D	...	: .06
Demat. galicy acid or tartar emetic			Second Hands.....D	2.50	: 2.60	Bordeaux Mixture, powd. bbls....D	.12	: .15
45 gal. bbls.....gal	2.50	: 2.75	Ammon. Citrate, USP 5 lb. boxes..D	...	: 5.75	Paste, bbls.....D	.08	: .10
Demat. quinine sulf. 45 gal.			Betanaphtholate, 5 lb. boxes..D	...	: 3.35	Borneol, 1 lb. bot.....D	...	: 2.50
bbls.....gal	2.65	: 2.75	Citrate, USP 5 lb. boxes.....D	...	: 3.15	Bromide, see potass. bromide, etc.		
Domestic synthetic, 50 gal.			Nitrate, 25 lb. jars.....D	...	: 2.00	Bromine, bot. in 60 lb. ca. wks..D	...	: .29
bbls.....gal	1.10	: 1.25	Oxychloride, 250 bbls.....D	...	: 3.50	Bromobenzene, 600 lb. drums....D	.40	: .42
Benzaldehyde, tech. 945 lb. dra.			Phenolsulfonate, 5 lb. cans....D	...	: 3.20	Bromoforn, USP 5 lb. bot 50 lb. ca. D	...	: 1.50
wks.....D	.75	: .80	Salicylate, 250 bbls.....D	...	: 2.00	Brocine Sulfate, 100 cu.....cu	...	: .20
USP, 40 lb. clys.....D	1.50	: 1.60	Subcarbonate, USP, 250 bbls..D	...	: 3.40	Butter of Antimony, see Antimony Chloride		
FFC, 40 lb. clys.....D	1.60	: 1.75	X-Ray diag. 1 lb. bot.....D	...	: 3.80	CADMIUM, metal 100 lb. boxes..D	1.20	: 1.25
BENZENE, 90% 8000 gal. tanks			Subgallate, USP, 175 lb. bbls..D	...	: 2.80	Bromide, 50 lb. cases jars....D	...	: 1.10
wks.....gal	.18	: .20				Iodide, 10 lb. bot.....D	...	: 4.45
110 gal. dra. wks.....gal	.23	: .25				Sulfide, ca.....D	1.50	: 1.60
Pure, Tanks, wks.....gal	.20	: .22						
110 gal. dra. wks.....gal	.25	: .27						

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In 10 gallon carboys and in  
 1/2 gallon bottles, packed 10  
 bottles to standard case.]

**Hydrochloric  
 Nitric  
 Sulphuric  
 Ammonia**

## Chemicals

CAFFEINE ALK, USP 5 lb cans...D	4.00 : 4.25	CAMPOR, Amer. ref. 250 lb	...	...	Chalk, drop 175 lb bbls.....D	...	...	.03%
Second Hands.....D	...	bbls.....D	...	...	Precip. light 250 lb cans.....D	...	...	.04%
Hydrochloride, 1 lb bot.....D	7.12 : 7.32	2 1/2 lb slabs, 100 lb cs.....D	...	...	Precip. heavy 500 lb cans.....D	...	...	.03%
Sulfate, 1 lb bot.....D	...	1 lb cakes, 100 lb cs.....D	...	...	Bulk.....D	...	...	8.00 : 8.60
Citrate, 25 lb cans.....D	3.00 : 3.10	1 oz. tab., 1 lb ctms.....D	...	...	Precip. English, 7 lb bags.....D	...	...	.07%
Hydrobromide, 1 lb bot.....D	...	100 lb cs.....D	...	...	Charcoal, Bone, see bone black	...	...	
CALCIUM Acetate, 150 lb bgs, c/l	...	1/2 oz. tab., 1 lb ctms.....D	...	...	Wood, powd. 100 lb bbl.....D	...	...	.04 : .05
100 lb.....D	...	100 lb cs.....D	...	...	Willow, powd. 100 lb bbl.....D	...	...	.06 : .07
Arsenate, 100 lb bbls. c/l wks.....D	.13 : .15	Jap. ref. 2 1/2 lb slabs, 100 lb	...	...	China Clay, Dom., crude.....D	...	...	6.00 : 8.00
Bbls. lc/l wks.....D	.15 1/2 : .18	cs.....D	...	...	Washed & Ground.....D	...	...	7.50 : 12.00
Bromide, 100 lb cs.....D	...	1 oz. tab., 100 lb cs. 1 lb	...	...	Imp., Filler Clay.....D	...	...	14.50 : 16.00
Carbide, 220 lb dr. c/l wks.....D	...	time.....D	...	...	Coating.....D	...	...	25.00
Drums lc/l wks.....D	...	1/2 oz. tab. 100 lb cs. 1 lb	...	...	Chloral Hydrate, USP 100 lb drs. D	...	...	.70 : .75
Carbonate, tech. 100 lb bags	...	time.....D	...	...	25 lb jars.....D	...	...	.73 : .80
c/l.....D	1.00 : 1.10	Chinese ref. 2 1/2 lb slabs 100 lb	...	...	Chinoidin, 140 lb drs.....D	...	...	...
USP, precip. 175 lb bbls.....D	...	cs.....D	...	...	Chloramine-T, 5 lb bot.....D	...	...	1.25 : 2.50
Chloride, solid, 550 lb drs. c/l	...	Crude, 100 lb cs.....D	...	...	Chloroacetic, 5 lb bot.....D	...	...	.55 : .75
f.o.b. NY.....D	24.50	Campor, Monobrom. 100 lb cs.....D	1.75 : 1.85	...	Chlorhydrin, Ethylene anhyd, 600 lb	...	...	.75 : .85
Imp.....D	18.00 : 20.00	Caramel, 50 gal. bbls.....D	.60 : .62	...	40% soln. 100 lb cys.....D	...	...	.25 : .30
Gran., 350 lb drs. c/l f.o.b.	...	Carbasol, 250 lb bbls.....D	.75 : .80	...	CHLORINE, Liquid 2000 lb cyl	...	...	.05 1/2 : .06
NY.....D	30.50	Carbon Bisulfide, 500 lb dr., lc/l NY D	...	...	Tank car lots, wks. Contract.....D	...	...	.03
Flake 330 lb drs. c/l drs. f.o.b.	...	c/l drums, NY.....D	...	...	100 lb cyl. c/l.....D	...	...	.05 1/2 : .06
NY.....D	30.50	Carbon Black, 12 1/2 lb bags, wks. D	.11 : .15	...	100 lb cyl lc/l wks.....D	...	...	.06 : .07
Anhyd., 350 lb drs. f.o.b. NY. D	.13 : .20	Carbon Tetrachloride, 1400 lb drs.	...	...	100 lb cyl. lc/l, ex-warehouse.....D	...	...	.06 : .08
Glycerophosphate, 250 lb bbls.....D	1.50 : 1.60	NY.....D	...	...	Chlorobenzene, mono. 1000 lb drs.	...	...	.11 : .13
Hydrate, (see Lime)	...	Drums, c/l NY.....D	.09 : .09 1/2	...	Drs. c/l wks.....D	...	...	.10 : .11
Hypophosphite, USP, 25 lb cans D	.60 : .65	700 lb drs. single NY.....D	...	...	Tank car lots wks.....D	...	...	.09
Iodide, 5 lb bot.....D	...	Carmine, No. 40 5 lb boxes.....D	4.75 : 4.85	...	CHLOROFORM, USP 50 lb drs.....D	...	...	.35
Lactate, tech. 500 lb bbls.....D	...	Casein, edib., 100 lb keg.....D	.40 : .45	...	Second Hands, 650 lb drs.....D	...	...	.32 : .33
U.S.P.....D	.50 : .60	Technical, 200 lb bbls.....D	.12 1/2 : .14 1/2	...	Technical, 650 lb drums.....D	...	...	.32 : .33
Nitrate, 220 lb bbls, c/l NY. ton	...	Castoreum, 1 lb boxes.....D	4.00 : 4.50	...	Chromium Acetate, 20% soln. 400 lb	...	...	.08 : .10
Phosphate, tech. 350 lb bbls. D	.09 : .10	Castor Oil, USP 50 gal. bbl.....D	...	...	Fluoride, Powd. 400 lb bbls.....D	...	...	.80
Phosphate, precip. tribasic 200	...	Cases, 80 lb 2 tins.....D	...	...	Soln. 400 lb bbls.....D	...	...	...
lb bbls, wks.....D	.10 : .11	Tech., see Fixed Oils	...	...	Sulfate, 400 lb bbls.....D	...	...	.07 : .09
Phosphate, mono.....D	.07 : .09	Caustic Potash, see potash, caustic	...	...	Chrysarobin, USP, 5 lb cans.....D	...	...	2.00 : 2.15
Sulfocarbamate, 100 lb kegs.....D	.55 : .57	Soda, see soda, caustic	...	...	Cinchonidin alk., powd. 100 oz. tinsos	...	...	.70
Calomel, see Mercury	...	Cellulose Acetate, 100 lb cases.....D	1.75 : 2.00	...	Crystal.....D	...	...	.75
	...	Cerium Oxalate, USP 100 lb kgs. D	...	...	Sulfate, 100 oz. tins.....D	...	...	.50

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## Chemicals

Cinchonidin alk., pvd. 100 oz. tins...	.70	COPPER, metal electrolytic c/l		Diethyl Sulfate tech. 50 gal. drs. D	.20	.25
Crystal .....	.43	Lake, NY .....	13.00	CP drums .....	.40	.50
Sulfate, 100 oz. tins.....	.25	Casting, c/l NY.....	13.25	Digitalin, Pure, 1 oz. vial.....	10.00	10.25
Citrine Ointment, see Mercury		Carbonate, 400 lb. bbls.....	.17	Dimethylaniline, 840 lb. drs. wks. D	.39	.40
Coal Tar, Ths. & bbls., wks....gal	.08	Chloride, 250 lb. bbl.....	.28	Dimethylsulfate, 100 lb. drs.....	.50	
Cobalt metal, 100 lb. kegs.....	2.75	Cyanide, 100 lb. drs.....	.46	Dinitrobenzene, 400 lb. bbls.....	.19	.20
Cobalt Oxide, 500 lb. bbls.....	2.10	Iodide, 5 lb. bot.....	.56	Dinitrochlorobenzene, 400 lb. bbls. D	.19	.20
10 lb. tins, 200 lb. cases.....	2.35	Oxide, red 1000 lb. bbls. ton lots D	.17	Dinitronaphthalene, 350 lb. bbls. D	.32	.34
COCAINE alk., USP, 1 oz. vial....	10.00	Sub-Acetate, verd. 440 lb. bbls. D	.23	Dinitrophenol, 350 lb. bbls.....	.40	
Hydrochloride, USP—1 oz. vials,		SULFATE, crys. 450 lb. bbls. 1c/l		Dinitrotoluene, 300 lb. bbls.....	.19	.20
25 oz. ....	7.07	spot .....	4.80	Dionin, see Morphine, Ethyl		
In 1/4 oz. vials.....	7.50	Carlots, bbls.f.o.b. NY.100 lb	4.60	Diphenylamine, 250 lb. bbls.....	.48	.50
In crystals, granular, powder,		Carlots, bbls, delivered.100 lb	4.95	Diphenylguanidine, 170 lb. bbls. D	1.10	1.15
or flaky crystals as desired.		Imp. 550 lb. cks.....	4.50	Dover's Powder, USP 5 lb. tins...D	2.20	2.30
Cocoa Butter, bulk, 200 lb. bales. D	.26	Powdered, 350 lb. 5 bbls....	5.75	Duboisine Sulfate, 1 oz. vial.....		55.00
Fingers, cakes, etc. 12 lb. bxs. D	.35	Copperas, bulk c/l wks.....	17.00	EARTH, Diatomaceous, see Kieselsuhr		
CODEIN alk., 1 oz. vial. 10 oz.		400 lb. bbls. c/l wks.....	22.00	Emetine, alk., 15 gr. vials.....	1.85	
lots .....	8.62	200 lb. bgs. c/l wks.....	20.00	Hydchlide, USP 1 oz. vial.....	18.00	19.00
Hydrobromide, 1 oz. vial, 10 oz.		Powdered, bbls.....	1.90	15 gr. vials.....		.92
lots .....	6.92	Sugar, 400 lb. bbls.....	1.50	EPSON SALT, tech. 300 lb. bbls.		
Hydrochloride, 1 oz. vial, 10 oz.		Corn Syrup, 42 deg. 50 gal.		NY .....	2.15	
lots .....	7.77	43 deg. 50 gal. bbls.....	3.41	Bbls. c/l NY.....	2.00	
Nitrate, 1 oz. vial, 10 oz. lots...	7.77	45 deg. 50 gal. bbls.....	3.48	100 lb. bgs., c/l NY.....	1.90	
Phosphate, 1 oz. vial, 10 oz.		Corrosive Sublimate, see Mercury Bichloride		Imp., 220 lb. bgs. c/l		
lots .....	6.47	Cotton Soluble, 100 lb. bbls. wet. D	.40	NY .....	1.00	1.10
Salicylate, 1 oz. vial, 10 oz.		Coumarin, 25 lb. tins.....	4.50	USP, 300 lb. bbls, 10 bbls.100 lb		2.50
lots .....	6.47	Second Hand .....	4.45	Carlots, bbls.....	2.10	2.15
Sulfate, 1 oz. vial. 10 oz. lots...	6.92	CREAM TARTAR, USP, 300 lb		Imported, 400 lb. bbls.....		2.00
Small Sizes, 1/4 oz. vials, 50c extra,		bbls.....	.25	100 lb. kegs .....	2.25	2.50
1/4 oz. 25c extra, singles 7c extra		Imp. powd. USP, 224 bbls....	.23	Ergotin, Bonjean, 1 lb. jar.....	6.00	6.35
per oz.—25 oz. lots, 10c oz. cheaper		Creosote, USP, 42 lb. chys.....	.40	Esarine alk., 1 oz. vial.....		30.00
than above. Less than 10 oz. 15c oz.		Carbonate, 1 lb. bot. 25 lb. D	1.80	Salicylate, USP 1 oz. vial.....		22.00
higher than above.		Creosote Oil, 50 gal. drs.....	.20	Sulfate, USP VIII, 1 oz. vial....		17.00
COD LIVER OIL, Norwegian, 30 gal.		Creosol, USP 400 lb. drums.....	.24	ETHER, USP 55 lb. drums.....		.13
bbls. ....	24.00	Cyanamide, bulk c/l wks, Amm.unit		Anaesthesia, 55 lb. drums.....		.16
Newfoundland, 20 gal. bbls. bbl		DIAMINOPHENOL, 100 lb. kegs. D	3.80	USP, 1880 55 lb. drums.....		.38
Colchicine alk., USP 1 oz. vial....	30.00	Diamididine, 100 lb. kegs.....	4.60	Washed, 55 lb. drums.....		.30
Salicylate, 1 oz. vial.....	45.00	Dichlorobenzene, 1000 lb. drs.....	.06	Motor, 1 lb. cans .....	.24	.27
Colloidal USP 30 lb. drums.....	.22	Diethylaniline, 850 lb. drs.....	.45	Ether, Nitrous, 1 lb. bot.....	.92	.95
Ethyl Benzyl Aniline, 300 lb. drs. D	1.30	Diethyl Phthalate, 25 lb. cans. D	.65	Ethyl Benzyl Aniline, 300 lb. drs. D		1.30
		1000 lb. drs.....	.45			

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# Chemicals

Ethyl Acetate, 98%, 50 gal. drs. gal.	1.25	: 1.38	Gelatin, USP silver bbl, 100 lb. ca. lb.	.85	: .90	Hydrastinine Hydrochloride, USP 15 gr.		
85-90% Ester, 50 gal. drs. gal.	...	: 1.13	Gold Label, 100 lb. cases..... lb.	...	: ...	vials..... vial	...	: 3.40
Carlots, drums..... gal.	...	: 1.10	Technical, 100 lb. ca..... lb.	.60	: .85	Hydrobenzene, 100 lb. kegs..... lb.	1.30	: 1.35
Tanks Cars..... gal.	...	: 1.05	GLAUBER'S SALT, tech. 200 lb. bags			HYDROGEN PEROXIDE, 25 vol. 400 lb.		
Refined, drums..... gal.	1.87	: 2.00	1c/l wks..... 100 lb.	1.15	: 1.35	bbls..... lb.	...	: .10
Bromide, 115 lb. drs..... lb.	...	: .40	350 lb. bbls. c/l wks..... 100 lb.	1.30	: 1.35	100 vol, 145 lb. chys..... lb.	...	: .40
Chloride, 15 lb. c/l..... lb.	...	: .35	Bbls. 1c/l wks..... 100 lb.	1.50	: 3.00	USP Soln. 375 lb. bbls..... lb.	...	: .05
Methyl Ketone, 50 gal. drums. lb.	.25	: .35%	Imported, bbls. spot..... 100 lb.	.85	: .90	100 vol. 145 lb. chys..... lb.	...	: .35
Morphine, see Morphine, Ethyl			USP, 300 lb. bbls. dom. sp. 100 lb.	...	: 1.25	USP bot. 4 oz. cases..... gross	3.00	: 3.25
Ethylene Bromide, 600 lb. drs..... lb.	...	: .60	USP, 300 lb. bbls. dom. sp. 100 lb.	...	: 1.75	Bot. 8 oz. cases..... gross	11.75	: 12.00
dilcol..... lb.	.65	: 1.00	USP, 300 lb. bbls. c/l wks. 100 lb.	...	: 1.40	Bot. 16 oz. cases..... gross	19.75	: 20.00
Chlorhydrin, anhyd. 50 gal. drs. lb.	.75	: .85	Calcined, see Sodium Sulfate			Hyocyanine Alk. Cryst., 1 oz. vial. oz.	...	: 35.00
40% Solution, 50 gal. bbls. lb.	.25	: .30	Glucose, (Grape Sugar) dry, 100			Hyocine Hydrobrom. USP 1 oz.	...	: 21.00
Dichloride, 50 gal. drs..... lb.	.20	: .25	70° bags, c/l NY..... 100 lb.	...	: 3.26	vial..... oz.	...	: 20.00
Ethylideneaniline..... lb.	...	: .70	Syrup, Drs. & bbls. c/l NY 100 lb.	3.36	: 3.55	Five ozs., 1 oz. vials..... oz.	...	: 20.00
Eucalyptol, 25 lb. cans..... lb.	.80	: .85	1c/l NY..... 100 lb.	3.46	: 3.75	Hyocyanine Alk. Cryst., 1 oz. vial. oz.	...	: 35.00
Feldspar, bulk..... ton	20.00	: 25.00	GLUE, pure white, bbls..... lb.	.30	: .35	Alkaloid, Amorphous, 1 oz. vial. oz.	...	: 75.00
FERRIC CHLORIDE, tech. crys.			Medium white, bbls..... lb.	.25	: .30	Hydrobromide, USP 1 oz. vial. oz.	...	: 60.00
475 lb. bbls..... lb.	...	: .08	French, bbls..... lb.	.18	: .25	Sulfate, 1 oz. vial..... oz.	...	: 35.00
Imported..... lb.	...	: .07%	High Grade, bbls..... lb.	.35	: .40	INDOL, C. P. 1 oz. bot..... oz.	6.00	: 6.50
USP, crys. 100 lb. kegs..... lb.	...	: .08	Bone, regular, bbls..... lb.	.10	: .12	Iodides, see Potass. Iodide, etc.		
Imported..... lb.	...	: .08%	Fish, bbls..... gal	1.50	: 1.75	IODINE, crude, 200 lb. kegs..... lb.	3.92	: 4.01
Neut. Sol'n 40° 140 lb. chys. lb.	...	: .06%	GLYCERIN, C. P. 550 lb. drums. lb.	.18%	: .17	Resublimed, 10 lb. jars..... lb.	...	: 4.55
48°, 140 chys..... lb.	...	: .08	Cans, 50 lb..... lb.	.18	: .18%	Tincture, USP, 50 gal. bbls. gal.	4.25	: 4.35
USP Sol'n 125 lb. chys..... lb.	...	: .06%	Dynamite, 100 lb. drs..... lb.	.15%	: .16	Carboys..... lb.	4.45	: 4.55
Ferrous Chloride, crys. tech.			Saponification, tanks..... lb.	.12%	: .12%	Iodoform, powd. 10 lb. bot..... lb.	...	: 6.00
475 lb. bbls..... lb.	.08	: .06%	Soap, Lye tanks..... lb.	.10%	: .11	Crystals, 10 lb. bot..... lb.	...	: 7.00
Ferrous Sulfide, 1000 lb. bbls. 100 lb.	2.50	: 3.00	Goa Powder, see chrysarobin			Iridium, metal 10 oz. lots..... oz.	...	: 250.00
Flake White, see lead, white			Granite, crude 220 lb. bags..... ton	15.00	: 35.00	Iron, metal by hydrogen 1 lb. bot. lb.	.80	: 1.00
Fluorspar, 95% 220 lb. bgs. ex			Flake, 500 lb. bbls..... lb.	.05	: .09	IRON & AMM. CITRATE, USP 25 lb.		
dock..... ton	...	: 25.00	Ground, lump, bbls..... lb.	.04	: .05	cans..... lb.	...	: .84
96% bgs..... ton	...	: 33.50	Gualacol liquid, USP, 25 lb. cans. lb.	2.45	: 2.60	Green scales, 25 lb. cans..... lb.	...	: .84
28% bgs..... ton	...	: 35.00	Benzoate, 1 lb. bot..... lb.	...	: 18.00	Cacodylate, 10 lb. bot..... lb.	6.50	: 6.75
FORMALDEHYDE, USP 400 lb. bbls.			Carbonate, 5 lb. boxes..... lb.	4.80	: 5.00	Citrate, USP VIII 25 lb. cans..... lb.	...	: .99
c/l wks..... lb.	...	: .10%	HAARLEM OIL, Dom. 6 gr. ca. gross	...	: 3.50	Chloride, see ferric or ferrous		
Carboys, 100 lb. 1c/l wks..... lb.	.11%	: .12%	Imported, 5 gr. cases..... gross	5.15	: 5.25	Hypophosphite, 5 lb. cans..... lb.	1.50	: 1.60
Bbls., 400 lb. 1c/l wks..... lb.	.11%	: .11%	Halazone, 5 lb. bot..... lb.	2.75	: 3.25	Syrup, USP VIII..... lb.	...	: .30
Second Hands..... lb.	...	: .10%	Hexamethylenetetramine, USP			Iodide, 1 lb. bot..... lb.	...	: 4.20
Wheat Flour..... lb.	...	: .04	100 lb. drums..... lb.	.75	: .77%	Syrup, USP 5 lb. bot..... lb.	.35	: .36
Formalin..... lb.	...	: .50	Imported..... lb.	.68	: .70	Nitrate, kegs..... lb.	.09	: .10
Fuller's Earth, 200 lb. bgs. c/l			Rubber Makers, Impalp. Pd.			Com'l. bbls..... 100 lb.	2.75	: 3.25
mines..... ton	15.00	: 17.00	dra..... lb.	.82%	: .85	Oxalate scales 25 lb. cans..... lb.	.85	: .88
Imported, 230 lb. bags NY..... ton	35.00	: 40.00	Homatropine Hydrobrom. USP 1 oz.			Oxide red, Spanish..... lb.	.03%	: .07%
Fusel Oil, refined, 100 gal. drs. gal.	...	: 4.30	vial..... oz.	...	: 16.00	& Ammon. Oxalate 25 lb. bxs. lb.	.47	: .50
Crude, 100 gal. drum..... gal.	...	: 4.30	Five ozs., 1 oz. vials..... oz.	...	: 15.00	& Potassium Oxalate, 25 lb. bxs. lb.	.45	: .47
G SALT, paste 350 lb. bbls. basis			Hydrastine Alk., USP, 1 oz. vial. oz.	...	: 20.00	& Sodium Oxalate, 25 lb. bxs. lb.	.41	: .43
100%..... lb.	.60	: .65	Hydrochloride, USP, 1 oz. vial. oz.	...	: 20.00	Phosphate, USP 25 lb. cans..... lb.	...	: .89
			Sulfate, 1 oz. vial..... oz.	...	: 22.00	Pyrophosphate, USP 25 lb.		
						cans..... lb.	.94	: .96



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## Chemicals

JALAP RESIN, lump 5 lb. tins...D	2.25	: 2.25	Linalool, 5 lb. bot.....D	5.50	: 5.50	Manganese—(continued)		
Powd. tin.....D	2.40	: 2.50	Litharge, see lead oxide			Glycerophosphate, 5 lb. tins....D	...	2.25
KIESELGUHR, 90 lb. bags NY...ton	60.00	: 70.00	Lithium Carb. USP, 100 lb. kgs..D	1.50	: 1.60	Hypophos. USP VIII 5 lb. cans..D	...	1.65
LANGLIN, see Adeps Lanas			Bromide, 100 lb. c.....D	1.75	: 1.85	Iodide, 1 lb. bot.....D	...	6.40
LEAD, metal c/l NY.....100 lb	...	8.25	Citrate, USP 100 lb. kgs.....D	1.70	: 1.75	Ore, bulk NY.....unit	.40	: .45
Acetate, white crystals 500 lb	...	...	Iodide, 5 lb. bot.....D	...	5.40	Sulfate, 600 lb. casks NY.....D	.10	: .11
bbis. wks.....D	...	.14	Lithopone, 400 lb. bbis, 1/2 wks..D	...	.07 1/4	Marble Flour, bulk.....ton	10.00	: 12.00
100 to 250 lb. kgs. wks..D	...	.14 1/4	Bbis. c/l wks.....D	...	.06 1/2	See also Calcium Carbonate		
White, broken, bbis. wks.100 lb	...	13.40	Bags, c/l wks.....D	...	.06 1/2	MENTHOL, USP, 60 lb. cases....D	...	10.25
White, gran., bbis. wks.100 lb	...	13.65	Imported, 400 lb. bbis.....D	.06	: .06 1/2	Less cases, 5 lb. tins.....D	...	10.75
White, powd., bbis. wks.....D	...	.14 1/4	Litmus Cubes.....D	.90	: 1.00	MERCURY, metal 75 lb. flask..flask	60.00	: 61.00
Keps. wks.....D	...	.15 1/4	MAGNESITE, crude.....ton	...	15.00	Less Flasks, 5 lb. jugs.....D	1.02	: 1.04
Brown, broken, bbis. wks.....D	...	.15 1/4	Calcined, 500 lb. bbis.....ton	...	55.00	Bichloride, cryst. 25 lb. bxs....D	...	1.17
USP, 100 lb. kgs.....D	...	.12 1/2	Magnesium mtl., sticks 100 lb. ex.D	1.35	: 1.39	Gran. powd., 200 lb. kgs....D	...	1.02
Armenate, 100 lb. bbis. 1/2 wks..D	...	.20	Carb. tech. 70 lb. bags NY.....D	.08	: .08 1/4	Bisulfate, 25 lb. boxes.....D	...	.68
Bbis. c/l wks.....D	...	.19 1/4	75 lb. bbis. NY.....D	.08 1/4	: .09	Blue Mass, 25 lb. boxes.....D	...	.62
Paste, 600 lb. bbis.....D	.12	: .13	USP, 60 lb. bbis.....D	.10	: .11	Powdered, 25 lb. boxes.....D	...	.64
Iodide, USP VIII 5 lb. bot....D	3.20	: 3.40	USP, blocks 100 lb. ex. 1, 2, 4	.19	: .23	Blue Ointment, USP 25 lb. cans	...	.77
Nitrate, 500 lb. bbis. wks.....D	...	.22	Chloride, fused 575 lb. drs. c/l	...	24.00	50%.....D	...	.57
Oxide, litheg., 500 lb. bbis..100 lb	10.90	: 11.15	wks.....ton	...	24.00	USP, dilute 25 lb. cans 30%..D	...	.57
100 lb. kgs. wks.....D	...	.14 1/4	Flaked, 350 lb. drs. wks c/l ton	...	26.00	SS 1/3% Mercury.....D	...	.67
Oxide, red 500 lb. bbis. wks..D	11.40	: 11.65	Imp., fused 900 lb. bbis NY.ton	26.00	: 28.00	Calomel, 50 lb. bxs.....D	...	1.35
100 lb. kgs. wks.....D	...	.14 1/4	Fluocilicate, crystals 400 lb. bbis.	...	.12	Citrine Ointment 25 lb. jars....D	...	.50
Peroxide, 100 lb. drs.....D	...	.26	wks.....D	...	.15	Iodide, green 25 lb. jars.....D	...	4.00
White, basic carb. 500 lb. bbis.	...	.09 1/4	30% soln. 500 lb. bbis. wks..D	.07	: .07 1/4	Red, USP 25 lb. jars.....D	...	4.10
wks.....100 lb	...	.09 1/4	Soln. bbis. c/l wks.....D	...	.06	Yellow, USP VIII 25 lb. jars..D	...	4.00
100 lb. kgs. wks.....D	...	.14 1/4	Glycerophosphate, 5 lb. tins....D	...	3.15	Red Precip. USP 25 lb. bxs....D	...	1.22
White, sulfate 500 lb. bbis. wks.	...	.09 1/4	Hypophosphite, 5 lb. cans.....D	...	1.15	Powder, USP 25 lb. bxs.....D	...	1.45
Bbis. c/l wks.....100 lb	...	9.25	Oxide, USP light 100 lb. bbis..D	...	.42	White Precip. USP 25 lb. bxs..D	...	1.49
Licorice Ext. Mass, cases.....D	.25	: .26	USP, heavy 250 lb. bbis.....D	...	.50	Powder, USP 25 lb. bxs.....D	...	1.54
Compound powder, bbis.....D	.11	: .12	Peroxide, 5 lb. cans.....D	...	2.15	With chalk, USP 25 lb. bxs....D	...	.62
Powdered.....D	.28	: .40	Perborate, 1 lb. tins.....D	...	2.25	Meta-Nitraniline.....D	.75	: .80
Sticks, 1 ea. 100 lb. cases.....D	.45	: .50	Sallylate, 100 lb. kgs.....D	...	.67	Meta-Nitro-para-Toluidine, 300 lb	...	2.20
LIME (Salts, see Calcium Salts)			Sulfate, see Epsom Salts			bbis.....D	...	.95
Live, 325 lb. bbis. ton lots, wks..D	...	.01 1/4	Manganese Chloride, 800 lb. csk.	...	.09 1/4	Meta-Phenylenediamine, 300 lb	...	.95
Single bbl. wks.....D	...	.01 1/4	NY.....D	...	.10	bbis.....D	...	.85
Hydrated, 167 lb. bbl. ton lots,	...	...	Borate, 30%, 300 lb. bbis....D	...	.24	Meta-Toluylenediamine, 300 lb	...	.80
wks.....D	...	.01 1/4	100 lb. kgs.....D	...	.25	bbis.....D	...	.85
Single bbl. wks.....D	...	.01 1/4	Dioxide, 80-84%, 900 lb. bbis.	...	20.00			
Oyster Shell, 150 lb. bbl. single..D	...	.03 1/4	NY.....ton	20.00	: 25.00			
125 lb. bag.....D	...	.03 1/4	85-90%, 900 lb. bbis. NY.ton	25.00	: 30.00			
Sulfur, dry 300 lb. drs. NY.....D	.08	: .10	Hydrated, precip. 100 lb. kgs..D	.32	: .35			
Drz. c/l NY.....D	...	.10 1/4						
SS* Soln. 50 gal. bbis. NY.gal	.15	: .16						

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## Chemicals

<b>METHANOL (Wood Alcohol)</b>			<b>NAPHTHA, Solvent, 110 gal. dra.</b>			<b>PALLADIUM, metal 10 oz. lots..on 75.00 : 75.00</b>		
95%, tanks	gal	.85	whs.	gal	.26 : .28	Pancreatin, USP 5 lb. bot.....	lb	1.25 : 1.40
Drums, c/l	gal	.87	8000 gal. tank cars whs..gal	.21 : .23		Papain, 10 lb. bot. USP, Powd....	lb	2.15 : 2.25
Drums, 1c/l	gal	.88	<b>NAPHTHALENE, Flake, 175 lb. bbls.</b>			Crude, 150 lb. cases.....	lb	1.85 : 1.90
97%, tanks	gal	.88	whs.			Paraffin, ref'd 200 lb. ca. slabs	lb	.03 1/4 : .03 1/4
Drums, c/l	gal	.90	Bbls. c/l whs.....	.07		120-125 Deg. M. P.....	lb	.04 : .04 1/4
Drums, 1c/l	gal	.90	Bbls., second hands NY.....	.07 1/2 : .08		125-130 Deg. M. P.....	lb	.04 : .04 1/4
Pure, Acetone free, tks.	gal	.90	Bbls. c/l whs.....	.07 1/2 : .08		130-135 Deg. M. P.....	lb	.04 : .04 1/4
Drums, c/l	gal	.92	Bbls., second hands NY.....	.08		135-140 Deg. M. P.....	lb	.05 : .05 1/4
Drums, 1c/l	gal	.95	Crushed, chipped, bgs., whs..	.05 1/4 : .06		Para-Aminoacetanilid, 100 lb.	kg	1.05 : 1.15
Bbls. incl. 5c higher	gal	1.17 : 1.20	Crude, imp., bags.....	.02 1/4 : .03		Para-Aminophenol, 100 lb. kgs..	lb	1.25 : 1.30
Methyl Acetone, 100 gal. drums.gal	1.17 : 1.20		Nickel Metal, electrolytic 100 lb			Hydrochloride, 100 lb. kgs....	lb	1.40 : 1.50
Tank cars	gal	1.15	kg			Para-Dichlorobenzene, 50-300 lb. bbls.	whs.	.17 : .20
Chloride, 90 lb. cpl.....	lb	.50	Ingot, 100 lb. kgs.....	.39 : .33		25-50 lb. kgs.....	lb	.18 : .23
Salicylate, USP, 50 lb. cases..	lb	.47	Salt, single 400 lb. bbls. NY..	.11 : .12		Paraaldehyde, 100 gal. dra.....	lb	.35
500 lb. drums.....	lb	.45	Double, 400 lb. bbls. NY.....	.10 : .11		Paraformaldehyde, USP 100 lb. ca. lb		.50
Second Hands, cases.....	lb	.43 : .44	Oxide, 100 lb. kgs NY.....	.40 : .43		Para-Nitroacetanilid, 300 lb.	bbls.	.55 : .60
Methylene Blue, tech. 100 lb. kgs. lb	1.00 : 1.50		Sulfate, 450 lb. bbls.....	.06 1/4 : .07		PARA-NITROANILINE, 300 lb. bbls.	whs. ton	.69 : .74
USP, medicinal 5 lb. cans.....	lb	2.25 : 2.60	Nitre, 500 lb. bbls.....	5.50 : 6.00		Para-Nitrochlorobenzene, 1200 lb. dra.	whs.	.20 : .30
Michler's Ketone, 225 lb. bbls..	lb	3.75	Nitre, 500 lb. bbls.....	13.00 : 14.00		Para-Nitro-ortho-Toluidine, 300 lb.	bbls.	2.75 : 3.35
Milk, powd. 150 lb. bbls.....	lb	.14 : .15	Nitrobenzene, crude, 1000 lb. dra.			Para-Nitrophenol, 185 lb. bbls....	lb	.75 : .80
Milk Sugar, see sugar of milk			whs.	.09 : .09 1/4		Para-Nitrosodimethylaniline, 120 lb.	bbls.	1.25 : 1.30
Mineral Oil, see oil mineral			Redistilled, 1000 lb. dra. whs. lb	.09 1/4 : .10 1/4		Para-Nitrotoluene, 350 lb. bbls..	lb	.55 : .60
Mineral Rubber.....	ton	33.00 : 54.00	Nitronaphthalene, 550 lb. bbls..	.20 : .21		Para-ox-Benzaldehyde, 100 lb.	kg	1.50 : 1.60
Monochlorobenzene, see chlorobenzene			Nitrotoluene, mixed 1000 lb. dra.	.14 : .15		Para-Phenetidin, 500 lb. dra....	lb	1.55 : 1.50
Monomethylaniline, 900 lb. dra..	lb	1.00	whs.	.03 1/4		Para-Phenylenediamine, 350 lb.	bbls.	1.40 : 1.50
Monomethyl paramidophenol sulfate			Ochre.....			Para-Toluene-Sulfonamide, 175 lb.	bbls.	.40 : .41
100 lb. dra.....	lb	4.00	Oil Fuel, see Fuel Oil			Para-Toluene-Sulfonchloride, 410 lb.	bbls. whs.	.13 : .20
<b>MORPHINE Sulfate, USP 5 oz. tins</b>			Oil MINERAL, wh. 50 gal. bbls.gal	1.00 : 1.25		Para-Toluidine, 350 lb. bbls. whs. lb		.85 : .90
10 oz.	oz	6.35	Oil Mirbane, see nitrobenzene					
Acetate, 5 oz. tins 10 oz. lots.oz		6.35	Opium, see crude drugs					
Hydrobromide, 5 oz. tins 10 oz.	oz	6.35	Orange Mineral, 800 lb. casks NY..	.15 1/4 : .16				
lots	oz	6.35	500 lb. bbls. NY.....	.15 1/4 : .16 1/4				
Hydchloride, 5 oz. tins 10 oz.	oz	6.35	Ortho-Aminophenol, 50 lb. kgs..	2.50 : 2.75				
lots	oz	6.35	Ortho-Anisidine, 100 lb. dra.....					
Diacetyl Alk., 1/4 oz. vials 10	oz	10.20	Ortho-Dichlorobenzene, 1000 lb. dra.	.06 : .08				
oz.	oz	10.20	whs.					
Hydchloride, 1/4 oz. vials 10 oz.oz		9.25	Ortho-Nitrochlorobenzene, 1200 lb.	.35 : .40				
Ethyl Hydchloride, 1/4 oz. vials 10	oz	10.45	dra. whs.					
oz.	oz	10.45	Ortho-Nitrophenol, 350 lb. 3 bbls. lb	1.25				
Small Sizes: 1/4 oz. vials, 50c extra;			Ortho-Nitrotoluene, 1000 lb. dra.	.10 : .11				
1/4s 25c extra; single oz. vials, 7c extra,			whs.	.13 : .15				
over price for 5 oz. tins. 25 oz. lots in 5 oz. tins. 10c on. lower than			Ortho-Toluidine, 350 lb. bbls.....	.13 : .15				
above schedule. Less than 10 oz. lots			Oxgall, USP 5 lb. bot.....	3.00				
15c on. higher than above schedule.								
Musk Ambrette, 1 lb. cans.....	lb	14.00 : 15.00						

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PARIS GREEN			POTASSIUM--(Continued)				
Artenic Basic, 500 lb kegs.....	.26	.28	Piperazine Hydrate, 1 lb bot.....	16.00	Chlorate, crvs. 112 lb kgs. c/l		
Keps, 100 lb.....	.28	.30	Pitch, Coal-Tar, wks.....	30.00	wks.....	.08%	.08%
Kits, 56, 28, 14 lbs.....	.31	.32	Plaster Paris, tech. 250 lb bbls.bbl	3.00	Imp. 112 lb kegs NY.....	..	.08
Packages, 5 and 2 lbs.....	.32	.33	True Dental, 300 bbls.....	4.50	Powd., 112 lb kegs wks.....	.08%	.08
Packages, 1 lb, 1/2, 1/4 lb.....	.34	.38	Platinum, metal soft 10 oz. lots.....	125.00	Imp., kgs NY.....	..	.07%
Paris White, see whitening French			Podophyllin, 5 lb bot.....	6.00	Pyrotechnic, fine powd. NY.....	.08	.08
Pepton, USP 5 lb bot.....	2.25	2.50	Second Hands.....	5.50	USP, fine crys. 110 lb kegs		
PETROLATUM, green 300 lb bbls.	.02%	.03	POTASH, CAUSTIC, solid 88-92%		NY.....	.08	.09
Dark Amber 300 lb bbls.....	.03%	.04	700 lb drs. wks.....	..	Citrate, USP 10 lb cans.....	.63	.66
Light Amber, 300 lb bbls.....	.04%	.05	Imp., 88-92% 700 lb drs. NY.....	.06%	Cyanide 110 lb cases.....	..	.65
Cream White, USP 300 lb bbls.	.07	.07%	USP, by alcohol 5 lb cans.....	.46	Glycerophosphate, 75% Soln. 25 lb		
Lily White, USP, 300 lb bbls.....	.09	.09%	cases.....	.30	tins.....	1.60	1.70
Snow White, USP, 300 lb bbls.	.12%	.13	POTASSIUM Acetate, USP, 100 lb		Guaialol Sulfonate, 5 lb cans,		
Phenol, see also acid carbolic			kegs.....	.30	10 lb.....	1.75	2.00
American makers, drums wks.....	.26	.28	Bicarbonate, crys. 220 lb bbls.	.11	Hypophosphite, 10 lb cans.....	.80	.85
Open market, drs.....	.33	.35	wks.....	.09%	Iodide, USP, 100 lb cases.....	3.75	3.85
240 lb drs drs. wks.....	.29	.28	Eichromate, crys. 900 lb casks.	.09%	Second Hands, cases.....	..	3.65
Natural 240 lb des drs. wks.....	..	.26	Powd., 900 lb casks wks.....	..	Lactophosphate, 4oz bot.....	..	..
Imported, 336 lb des drs.....	..	..	Bismalate, 300 lb bbls.....	.28	Metabismalite, 300 lb bbls.....	..	.23
Phenolphthalein, USP, 100 lb drs.	1.40	1.50	Bismulfate, C.P., 5 lb cans.....	..	Imp., 300 lb bbls.....	.13	.15
5 lb can, 100 lb lots.....	1.50	1.60	100 lb kegs.....	.22	Muriate, 80%, 200 lb bags, NY		
Phenyl-Alpha-Naphthylamine 100 lb			Bromate, 100 lb crys.....	..	K <sub>2</sub> O unit.....	..	.68
kegs.....	..	..	Bromide, USP crstl. 450 lb				
Phenylethylalcohol, 1 lb bot.....	6.75	8.75	bbls.....	..	Nitrate, see Saltpetre		
Imported.....	7.75	9.75	Granular, 300 lb bbls.....	..	Oxalate, neutral, 100 lb kegs.....	.40	.45
Phosgene, 100 lb cylinders.....	..	1.00	Cases 100 lb.....	..	Perchlorate, 112 lb kegs.....	.09	.10
Phosphorus Oxchloride, 175 lb cyl.	.35	.40	Imported, USP, 220 lb cs.....	.16	PERMANGAN, USP, crys. 500 lb		
Phosphorus, red 110 lb cs. wks.....	..	.75	800 lb cks.....	.05%	drs. wks.....	.15%	.16
Imported, 112 lb cases.....	..	.75	80-85%, hydrated, 800 lb		Imp. 112 lb drs.....	.14%	.17
Yellow, 110 lb cs. wks.....	.35	.40	cks.....	.06%	Prussiate, red, 100 lb bbls.....	..	.52
Imported, 112 lb cases.....	..	..	90-95% calc. casks.....	.06	500 lb casks.....	..	.50
Phosphorus Trichloride, 175 lb cyl.	..	.48	96-98% calc. casks.....	.06%	Prussiate, yellow, 500 lb casks.	.23	.24
wks.....	..	.48	99% calc. casks.....	.08%	Salicylate, 25 lb cans.....	..	.75
Phthalic Anhydride, 100 lb bbls.	.25	.30	USP, 100 lb kegs.....	.11	Sulfate, 200 lb bags, NY, K <sub>2</sub> O unit	..	.94
Phloccarin Hydchlide, USP 25 cs.	..	7.50	98% CP casks.....	.13%	USP, VIII, 100 lb kegs.....	.15	.18
lots, cs. wks.....	..	7.50	USP, 100 lb kegs.....	..	Sulfocyanate, CP 25 lb jars.....	..	.50
Nitrate.....	..	7.75	99% CP casks.....	..	Tartrate, neutral, 100 lb kegs.	..	.53
Single sources.....	..	.85	USP, 100 lb kegs.....	..	Titanium Oxalate, 200 lb bbls.	.28	.30
Alkaloid, 15 gr. vls.....	..	..					

A black and white line drawing showing a hand holding a test tube. The test tube is positioned vertically, with its mouth pointing upwards. The bottom of the test tube is held over the flame of a Bunsen burner, which is depicted as a series of concentric circles representing the flame's base. The hand is shown from the side, gripping the upper part of the test tube.

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**Pittsburgh, Pa., U. S. A.**



## Chemicals

## SODA CAUSTIC—(Continued)

Contract basis 76% c/l wks.	100 lb	...	3.10
Fmpt and spot, Basis 76% c/l wks.	100 lb	...	3.30
Contract 74% low grade c/l wks. flat, 76% pmp and	100 lb	...	3.03
Ground & false, 76% pmp and	100 lb	...	3.60
Contract, 76% drums, c/l wks. flat	100 lb	...	3.50
76% dra. ex-warehouse NY	100 lb	...	4.08
USP, stick, 10 lb cans	...	...	.19
Pure, stick, by alcohol	...	...	.35
SODIUM ACETATE, crys 450 lb bbls	...	...	.04%
Wks.	...	...	.05
Ton lots, bbls. wks.	...	...	.04%
Imp. 500 lb cans	...	...	...
Aluminum Sulfate, see alum soda.	...	...	...
Bromate, USP, 100 lb bbls.	...	...	.65
Bicarbonate, 400 lb bbls NY	100 lb	...	3.25
Bbls. c/l wks.	100 lb	...	3.00
112 lb kegs wks.	100 lb	...	3.25
112 lb kegs, NY.	100 lb	...	3.50
Bichromate, 600 lb cans wks.	...	...	.08
Cans, c/l wks.	...	...	.07%
Cans, NY	...	...	.07%
Bisulfite, dry powder, 500 lb bbls, wks.	...	...	.04%
Solution, 32-40°, 500 lb bbls. wks.	100 lb	...	1.35
Bromate, 100 lb ca.	...	...	.95
Bromide, USP, 450 lb bbls.	...	...	.34
Cans, 100 lb	...	...	.35
Imp. USP, 112 lb ca.	...	...	.18
Cacodylate, USP, 5 lb bot, 25 lb	...	...	5.50
Carbonate, sal soda, 350 lb bbls	...	...	1.30
lc/l NY	100 lb	...	1.10
Works c/l	100 lb	...	1.30
Monohydrate, 400 lb bbl, lc/l	100 lb	...	3.45
Pure photographic, 100 lb keg	...	...	.08

## SODIUM—(Continued)

Chlorate, 112 lb kegs, wks.	...	...	.06%
Imported, 112 lb kegs	...	...	.06%
Chloride, tech. 200 lb bags	...	...	13.00
C. P. 300 lb bbls	...	...	.05
Citrate, USP, IX, 100 lb kegs	...	...	.62
USP, VIII, 100 lb kegs	...	...	.55
Cyanide, 98-98%, 100 lb cans	...	...	.23
Wks.	...	...	.23
Ton lots, wks.	...	...	.23
75-76%, 100 lb cans, wks.	...	...	.30%
125-128%, 200 lb ca.	...	...	.30
120-125%, 200 lb ca.	...	...	.19%
Fluoride, 350 lb bbls, NY imp.	...	...	.09
Glycerophos, USP, crys 25 lb cans	...	...	1.85
Powder, 25 lb tins	...	...	1.70
Solution, USP 25 lb tins	...	...	1.00
Hydroxide, see Soda Caustic	...	...	...
Hypochlorite, Soln, 100 lb chys	...	...	.05
14% soln, 50 lb chys	...	...	.04
Hydrosulfite, 200 lb bbls, fob, wks.	...	...	.22
Hypophosphite, USP, 25 lb cans	...	...	.70
WYPOSULFITE, tech. pea crys, 375 lb bbls, wks.	...	...	2.90
Bbls. c/l wks.	100 lb	...	3.75
100 lb kegs wks.	100 lb	...	3.00
Imp.	100 lb	...	3.55
Granulated, bbls. wks.	100 lb	...	3.15
Bbls. c/l wks.	100 lb	...	3.00
Kegs wks.	100 lb	...	3.25
Regular crystals	100 lb	...	2.65
Iodide, USP, 25 lb jars	...	...	4.25
Metanilate, 150 lb bbls	...	...	.55
Naphthionate, 300 lb bbls	...	...	.60
Nitrate, crude, 95%, 200 lb bgs. c/l NY	...	...	2.52
Futures, NY	100 lb	...	2.52
Double Anhyd. 400 lb bbls gran. c/l wks.	...	...	.04%
Nitrite, 500 lb bbls wks.	...	...	.07%
Bbls. spot, makers	...	...	.07%
Imp. 650 lb cans	...	...	.07%

## SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfonate, 175 lb bbls. wks.	...	...	.25
Oxalate, neutral, 100 lb kegs	...	...	.40
Perborate, 275 lb bbls	...	...	.22
Imp., 225 lb drs	...	...	.18
Peroxide, 200 lb cans	...	...	.35
Phosphate, di-sodium, tech 550 lb bbls.	...	...	.03%
USP, gran. 275 bbls	...	...	.07
Imp. gran.	...	...	.05%
LSP, recryst. 275 bbls	...	...	.10
Mono-sodium 100 lb kegs	...	...	.34
Tri-sodium tech. c/l, bbls	...	...	.04%
Picramate, 100 lb kegs	...	...	.60
Para-Toluene Sulfonate, 175 lb bbls.	...	...	.08
PRUSSIAN, yellow, 250 lb bbls	...	...	.12%
Imp. 450 lb chs	...	...	.11
Pyrophosphate, 100 lb kegs	...	...	.18
Salicylate, 100 lb kegs	...	...	.40
Second Hand, USP, kegs	...	...	.37
Silicate, 60° 700 lb bbls, f.a.s. NY	...	...	3.00
Works, 1000 lb drums	100 lb	...	1.00
Works, tanks	100 lb	...	1.75
40° domestic, 700 lb c/l f.o.b. wks.	...	...	.80
Works, 1000 lb drums	100 lb	...	.82%
Works, tanks	100 lb	...	.75
Spot, drums, bbls.	100 lb	...	1.50
Silicofluoride, 450 lb bbls, NY	...	...	.60
Sulphate, see Glauber's Salt	...	...	...
Sulfate, Anhydrous, 550 lb bbls, c/l	...	...	.03%
Sulfinde, 60% solid, 650 lb drs. lc/l wks.	...	...	.04%
Drs. c/l wks.	...	...	.03%
Imp. 700 lb drs. NY	...	...	.03%
60% broken, 650 lb drs wks.	...	...	.04%
Imp., 500 lb drs. NY	...	...	.03%
30% crys. 400 lb bbls, wks.	...	...	.02
Imp., 400 lb bbls	...	...	.02%
Sulfite, crys. 400 lb bbls, wks.	...	...	.03%
Dedicated, 400 lb bbls	...	...	.09%
10c higher per oz.	...	...	.10



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Manufactured and Sold by

DIAMOND ALKALI COMPANY

PITTSBURGH, PENNSYLVANIA





**K**EENESS for fundamentals,  
exactness in the application of  
proven processes and an ever present  
thought of the ultimate use of the  
product are combined to make  
Solvay Alkali superior.

Solvay 58% Soda Ash  
Dense—Light—Extra light (Fluf)  
Solvay 76% Caustic Soda  
Solid—Flake—Ground  
Solvay Super Alkali  $\left\{ \begin{smallmatrix} 15\% \\ 36\% \end{smallmatrix} \right.$ —45%  
Solvay Snow Flake Crystals  
Solvay Laundry Soda  
Solvay Cleansing Soda  
Solvay Tanners Alkali  
Solvay Tanners Soda  
Solvay Liquid Caustic Soda



## The Solvay Process Company

Detroit, Mich.      Syracuse, New York      Hutchinson, Kan.

**Sales Agent - Wing & Evans, Inc. - 40 Rector St., New York**

Boston	[Cincinnati]	Cleveland	Detroit	Pittsburgh
	Chicago	Syracuse	Indianapolis	

## Chemicals

## SODIUM—(Continued)

Sulfocarbamate, USP, 100 lb kegs .....	.37	: .39
Sulfocyanide, 400 lb bbls....	.45	: .47
Tungstate, crys. 100 lb kegs....	..	: .55
Desiccated, kegs .....	..	: .65
Solvent Naphtha, see Naphtha		
Spartan Sulfate, USP, 250s bulk.os	.60	: .70
Single os. vial.....os	..	: .77
Starch, rice, 140 lb bags.....	.09	: .10
STRONTIUM Bromide, USP, 100 lb kegs .....	..	: .33
Carb. 600 lb bbls. wks.....	..	: .67
100 lb kegs wks.....	..	: .08
Iodide, USP, 25 lb jars.....	..	: 4.00
Nitrate, 600 lb bbls. wks.....	..	: .11 1/2
Imp. bbls. NY.....	.11 1/2	: .12
Salicylate, USP, 100 lb kegs....	.65	: .70
STRYCHNINE Alkaloid, USP, crys. 100os tins .....	..	: .95
Alk. powd., USP.....os	..	: .85
Acetate .....	..	: 1.05
Glycerophosphate, USP .....	..	: 1.05
Hydrochloride .....	..	: 1.05
Hypophosphite .....	..	: 1.15
Iodide, USP .....	..	: 1.05
Nitrate .....	..	: 1.05
Sulfate, USP, crys. powd.....	..	: .68
Succinate .....	..	: 2.15
Strychnine preparations quoted bases 100os lots in 100os tins. Small Sizes; 1/2os vials, 50c extra; 1/4os vials, 25c extra; single ounce vials. 7c extra. Lots of 25 os. 5c higher than above schedule. Lots of less than 25 os. 10c higher per os.		
Sugar Milk USP, 200 lb bbls....	.21	: .22
Second Hands, USP, bbls.....	.21	: .22
Sulfonal, see Sulfonmethane		
Sulfonethylnmethane, USP, 5 lb bxs. lb	3.50	: 3.70
Sulfonmethane, USP, 5 lb bxs....	2.40	: 2.60

SULFUR, crude bulk, c/l NY.....ton	18.00	: 19.00
Crude, f.o.b. mines.....ton	14.00	: 15.00
Brimstone, 250 lb bags, c/l 100 lb	1.75	: 1.95
Less c/l bags NY.....100 lb	1.85	: 2.10
Roll, 500 lb bbls. c/l NY.....100 lb	..	: 2.15
Less c/l bags NY.....100 lb	2.20	: 2.45
Flour, Heavy, 290 lb bbls. 100 lb	2.50	: 3.05
Light, 100%, 260 lb bbls. 100 lb	2.60	: 3.15
Rubbermakers 100%.....240 lb bbls. NY .....	2.60	: 3.15
Commercial, 99%, 150 lb bgs. NY .....	1.35	: 1.65
For Dusting, 99%, 100 lb bgs. NY.....100 lb	2.00	: 2.50
Flowers, NY .....	3.00	: 3.55
Precipitated, 125 lb bbls NY.....	.14	: .16
Lac, 125 lb bbls NY.....	.07	: .10
Sulfur Chloride, red, 700 lb drs. wks.....	.06	: .07
150 lb chys. wks.....	..	: .08
Yellow, 700 lb drs. wks.....	.05	: .06
150 lb chys. wks.....	..	: .07
Sulfur Dioxide, 100 lb cyl.....	.08	: .08 1/2
Iodide, USP, VIII, 5 lb bot. lb	..	: 4.55
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs....	..	: .70
TALC, Italian, 220 lb bags NY.....ton	35.00	: 40.00
Refined white, bags.....ton	42.00	: 55.00
French, 220 lb bgs. NY.....ton	25.00	: 30.00
Refined, white, bags.....ton	32.00	: 45.00
Dom., crude, 100 lb bags NY.....ton	10.00	: 15.00
Refined, 100 lb bags NY.....ton	18.00	: 25.00
Tartar Emetic, tech. 700 lb bbls. lb	.26	: .28
USP. 300 lb bbls.....	..	: .34 1/2
Terpin Hydrate, USP, 100 lb kegs lb	.60	: .62
Terpineol, CP 1000 lb drums....	.50	: .51
Cars, 50 lb .....	.52	: .54
Imported, cans, 25 lb .....	.95	: 1.20
Terperyl Acetate, 25 lb cans....	1.65	: 1.85
Terra Alba, No. 1, 300 lb bbls 100 lb	1.85	: 1.90
No. 2, bbls.....100 lb	1.25	: 1.35
Theobromine Alk. 5 lb cans.....	..	: 5.75
and Sod. Salicylate, 1 lb bot. lb	..	: 3.50

Thiocarbamid, 170 lb bbls.....	.28	: .30
Thymol, USP, 25 lb tins.....	3.00	: 3.25
Iodide, 5 lb boxes.....	6.75	: 7.00
TIN, Metal Straths, NY.....100 lb	..	: 46.75
American standard, NY.....100 lb	..	: 46.75
99% American, NY.....100 lb	..	: 46.00
Bichloride, 50% soln. 100 lb bbls. wks.....	..	: .13 1/2
Crystals, 500 lb bbls. wks.....	..	: .34 1/2
100 lb kegs, wks.....	..	: .35
Oxide, 400 lb bbls. wks.....	..	: .51
100 lb kegs wks.....	..	: .53
Tetrachloride, 1000 lb drs. wks. lb	..	: .27 1/2
Tollidine, 350 lb bbls.....	1.00	: 1.10
Toluene, 800 gal tank cars, wks. gal	.22	: .24
110 gal drs. wks.....gal	.27	: .29
Sulfate, 350 lb bbls.....	..	: 1.10
Toluidine, Mixed, 900 lb drs. wks. lb	.31	: .32
Trisacetin, 50 gal. drs. wks.....	..	: .45
Tribromophenol, 100 lb cans.....	..	: 1.00
Trional, see Sulfonethylnmethane		
Triphenylguanidine .....	..	: .80
Triphenyl Phosphate, 450 lb bbls. lb	.50	: .60
Triplot, 500 lb bbls.....100 lb	2.50	: 3.00
Tungsten NY .....	8.25	: 10.00
Ultramarine Blue .....	..	: .18
UREA, pharm. 112 lb cases.....	..	: .30
VANILLIN, USP, 400os cans.....	.50	: .50 1/2
Cans, 80 os.....os	..	: .50 1/2
Cans, 16 os.....os	..	: .51 1/2
Venetian Rod .....	..	: .05
Verdigris, see Copper Subacetate		
Vermillion, Amer. 100 lb kegs.....	..	: .85
English, kegs .....	..	: 1.30
Veratrine Sulfate, 1 os vial.....	..	: 2.00
Veratrine Sulfate, 1 os vial.....os	..	: 3.00
Veronal, see Acid Diethylbarbituric		
WHITE LEAD, see lead, white.		
White Precipitate, see mercury.		
Whiting, 200 lb bags, c/l wks. ton	14.00	: 15.00
Bags, 1c/l NY.....ton	..	: 22.50
Widders, bags, NY.....ton	13.50	: 15.00
French, bags, NY.....ton	..	: 18.00
English, bags, NY.....ton	..	: 23.00
Witch Hazel Extract, 50 gal. bbls. gal	1.20	: 1.35

# QUININE

## Sulphate and Minor Salts

Unexcelled in Uniformity of Quality  
Brilliant Crystallization and Purity of Color

### Cinchonine, Cinchonidine Quinidine

and their Salts

### THEOBROMINE      CAFFEINE YOHIMBINE          QUINIC ACID

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Amsterdam

N. V. Bandoengsche Kininefabriek  
Bandoeng

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Maarssen

Exclusive Distributors

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*Barrett  
Standard*

Pure Benzol  
Pure Toluol  
Benzol 90%  
Nitration Xylol  
Commercial Xylol  
Solvent Naphtha  
Extraction Benzols  
Denaturing Benzols  
Special Fractions of  
Coal Tar Light Oils

For shipment in tank cars or  
one hundred gallon drums.

The *Barrett* Company

40 Rector Street  New York, N. Y.


## Chemicals

XYLENE, 3° dist. range, nitration		
ths. wks.	.40	.45
110gal. drs. NY.	.45	.50
5° dist. range, 800gal tanks		
wks.	.31	.36
110gal. drs. wks.	.34	.38
10° dist. range, drums, wks.	.31	.32
Commercial 110 gal drs., wks.	.31	.32
Tanks, wks.	.26	.27
Xylidine, 900lb drs.	.80	.80
YARA YARA, 1b tins.	1.75	2.00
Yodimbro Hyochide, 1 oz. vial.	7.25	7.50
ZINC, METAL, high grade, slabs		
c/l NY	8.50	8.50
Common Slabs, c/l NY, 100lb	6.60	6.65
Mossy, 25 lb bxs NY.	.16	.16
Ammonium Chloride, powd., 400lb		
bbls.	.07½	.08
Carb. tech. 150lb kegs NY.	.18	.18
USP, 100lb kegs.	.30	.30
Chloride, fused, 600lb drs. wks.	.06	.06
Drs. c/l wks.	.04½	.05
Imp. drs. NY.	.05	.05½
Granulated, 500lb bbls. wks.	.08	.09
Imported, drs. NY.	.06½	.07
USP, 25lb jars.	.20	.25
Cyanide, 100lb drs.	.40	.40
Dust, 100lb tins wks.	.09½	.10
500lb bbls, kegs, l/c wks.	.09½	.10
500lb bbls, kegs, c/l wks.	.08½	.09
Iodide, 5lb bota.	5.20	5.20
Nitrate 25lb jars.	.35	.35
Oxide, Amer. 300lb bbls, wks.	.08½	.09½
Bbls. c/l wks.	.08½	.09½
French, 300lb bbls wks.	.10½	.11½
Bbl c/l wks.	.10	.12
Rags, c/l wks.	.09½	.10½
USP, 100lb bbls. c/l.	.17	.17
Ton lots, wks.	.18	.18
Imported, white seal, bbls.	.12½	.12½
Green seal, bbls.	.10	.10
USP, 100lb bbls.	.15	.17
Stearate, USP, 50lb bbls.	.32	.32
Sulfate, 400lb bbls, wks.	.08½	.08½
Bbls, c/l wks.	.08	.09
USP, 100lb kegs.	.08	.09
Sulfocarbonate, 100lb kegs.	.32	.34

## Oils

Castor, No. 1, 400lb bbls.	.14½	.15
80lb cases	.16	.16
No. 3, bbls.	.14	.14
Blown, 400lb bbls.	.18½	.18½
China Wood, bbls, spot NY.	.21½	.21½
8000 gal. tks. NY.	.21	.21
Jan., Feb., forward, bbls. China.	.21	.22
Coast, tanks, Dec. forward.	.20	.20½
Coconut Ceylon, 375lb bbls, NY.	.10	.10½
8000 gal. tanks, NY.	.08½	.08½
Cochin, 375lb bbls, NY.	.10	.11
Tanks, NY.	.09½	.09½
Manila, tanks, P. Coast.	.08½	.08½
Edible, bbls, NY.	.11	.11½
Cod Newfoundland, 50 gal. bbls. gal	.67	.70
Tanks, NY	.05	.05
Copra, bags	.05½	.05½
Corn, ref. 375lb bbls, NY.	.13	.13½
Crude, tanks mlls.	.10	.10
Bbls, NY	.12	.12
Cottonseed, crude tks. mlls.	.09½	.09½
P. S. Y., 100 bbl. lots NY.	.10	.12
White, 100 bbl. lots NY.	.13	.14
Winter yellow, 100 bbls, NY.	.13½	.13½
Degras, Amer. 50 gal. bbls, NY.	.04½	.05½
Engish, bbls, NY.	.05	.05
Neutral, bbls, NY.	.11	.14
Greases, choice white, bbls, NY.	.10	.10½
Yellow	.06½	.06½
Brown	.06	.06½
House	.06½	.06½
Bone naphtha	.06½	.06½
Herring, Tanks, Coast	.10	.10
Horse, 375lb bbls, NY.	.13½	.14
Lard, prime steam bbls.	.13½	.14
Compound, bbls.	.13½	.13½

LARD OIL, Edible prime, bbls.	.15	.15
Off prime, bbls.	.13½	.13½
Extra, bbls.	.12½	.12½
Extra No. 1, bbls.	.10	.10
No. 1 bbls.	.10½	.10½
No. 2 bbls.	.09	.09
LINSEED, raw c/l bbls, spot.	.90	.90
Five bbls, raw	.93	.95
Bolled, 5 bbl. lots.	.95	.95
Double bolled 5 bbl. lots.	.96	.96
Raw, l/c bbls.	.93	.93
Tanks	.84	.84
Jan.-Mar., c/l bbls.	.90	.90
Apr.-Aug., c/l bbls.	.83	.83
Imported, bbls, NY.	.83	.83
Tanks, NY	.83	.83
Menhaden, crude, bbls, wks.	.50	.52
Crude, tanks, Balt.	.50	.52
Light strained, tanks.	.87	.87
Light strained, bbls, NY.	.87	.87
Yellow bleached, bbls, NY.	.70	.73
Extra bleached, bbls, NY.	.72	.75
Blown, bbls, NY.	.84	.84
Nutsfoot, 20° c.t. bbls, NY.	.17½	.17½
Extra, bbls, NY.	.10	.10
Pure, bbls, NY	.14	.14
Oleo Oil, No. 1, bbls, NY.	.16	.16
No. 2, bbls, NY.	.11½	.11½
No. 3, bbls, NY.	.10	.10
OLIVE, denatured bbls, NY.	1.10	1.15
Edible, bbls, NY.	1.70	2.00
Foots, bbls, NY.	.09	.09½
Shipment	.08½	.09
Palm Lagos, 1500lb casks.	.07½	.08
Niger casks	.07	.07½
Bonny old Calabar, casks.	.07	.07
Palm Kernel, 1500lb casks NY.	.09	.09½
Peanut, refined bbls, NY.	.16	.16
Crude, mlls buyers' tks.	.14	.14
Crude, bbls, NY.	.14	.14
Perilla, bbls, NY.	.14½	.14½
Poppyseed, bbls, NY.	2.25	2.50




# VICTOR CHEMICAL WORKS


## CHICAGO, ILL.

# Tri-Sodium Phosphate

Phosphoric and Formic Acids  
Phosphate of Soda  
Epsom Salts  
Oxalic Acid  
Ammonium Phosphate

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Nashville  
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## 25 BROAD STREET

## NEW YORK CITY



## Oils and Fertilizers

Rapeseed, refined bbls. NY.....gal	.79	:.80	Cyanamide wks. ....unit	2.20	:.2.25	Rosin Oil, first run, 50 gal. bbls.gal	...	:.43
Blown, bbls. NY.....gal	...	:.95	Fish Scrap, dried wks.....unit	4.90	& .10	Second run, bbls.....gal	...	:.47
Red Oil, distilled, bbls.....D	...	:.08%	Acid, Bulk, 7 & 3 1/2, wks.unit	3.90	& .50	Tar, kiln-burnt .....bbl	...	:.11.00
Saponified, bbls.....D	...	:.08%	NITRATE SODA, NY.....100D	2.51	:.2.53	Retort .....bbl	...	:.10.75
Tanks.....D	...	:.07%	Phosphate Rock, f.o.b. mines,			<b>Woods</b>		
Salmon, 8000 gal. tks. Coast...gal	...	...	Florida pebbles, 68-75%.....ten	3.35	:.4.50	Barwood, chips .....D	.04%	:.05
Sesame, domestic edible bbls...D	.12%	:.13	Tennessee, 72%.....ten	...	:.5.50	Camwood, chips .....D	.09	:.13
Sod Oil, bbls. NY.....gal	...	:.45	Phosphate Acid, 16% Bulk wks..ton	8.00	:.8.50	Divi Divi, pods 100-200D bags.ton	40.00	:.42.00
SOYA BEAN, crude tks. Coast...D	.09%	:.10	Potassium Muriate, 80%.....unit	...	:.68	Fustic, sticks .....ton	30.00	:.35.00
Crude, Tas. D.P., NY.....D	...	:.10%	Sulfate .....unit	...	:.93	Chips .....D	.04	:.08
Crude, bbls. NY.....D	.11	:.11%	Steamed Bone Meal, NY.....ton	32.00	:.35.00	Hemlock, bark .....ton	...	:.20.00
Sperm, 38° e.t. bich. bbls. NY.gal	...	:.94	Tankage, ground, NY.....unit	3.85	& .10	Gypenic, chips .....D	.06%	:.07
45° cold test, bichd. bbls. NY.gal	...	:.89	High grade f.o.b. Chicago...unit	3.65	& .10	LOGWOOD, sticks .....ton	28.00	:.30.00
<b>Fertilizer Materials</b>			<b>Naval Stores</b>			Chips 150D bags .....D	.02%	:.03
STEARIC ACID, a.p. 200D bags.D	.11%	:.11%	(Carloads ex-yard N. Y.)			Mangrove bark, African.....ton	34.00	:.36.00
Double pressed, bags.....D	.12	:.12%	Spirits Turpentine, bbls.....gal	...	:.92 1/2	Bark, South American.....ton	25.00	:.30.00
Double pressed, bgs., saponified.D	.12	:.12%	Wood Turpentine, stm. distd. bbls.gal	...	:.84	Myrobalans, 150D bags J1.....ton	...	:.33.00
Triple pressed, bgs., distilled.D	.13	:.13%	Destructive distilled, bbls.....gal	...	:.68	R1 .....ton	...	:.35.00
Triple pressed, bgs., saponified..D	.13	:.13%	Pine Oil, stm. dist'd, bbls.....gal	...	:.63	J2 .....ton	...	:.37.00
Stearine, oleo, bbls.....D	...	:.10%	Pitch, prime .....bbl	...	:.5.50	<b>Extracts</b>		
Lard, bbls.....D	...	:.15	Rosins, (Sold in 600D bbls. gross for net,			Range of prices includes quality		
Tallow, edible, tierces.....D	...	:.10%	quotations based on a unit of 280D)			range for large quantity.		
City, extra, loose .....D	...	:.08	B .....280D	...	:.5.70	Anatto, fine .....D	.36	:.39
Tallow Oil, acidless tks. NY.....D	...	:.10	P .....280D	...	:.5.70	Archil, double 600D bbls.....D	.15	:.17
Bbls., c/l NY.....D	...	:.11%	E .....280D	...	:.5.70	Triple, 600D bbls.....D	.16	:.18
Walnut, crude bbls. NY.....D	...	:.77	F .....280D	...	:.5.70	Conc., 600D bbls.....D	.17	:.19
Whale, nat. winter bbls. NY.....gal	...	:.79	G .....280D	...	:.5.70			
Bichd. winter bbls. NY.....gal	...	:.81	H .....280D	...	:.5.70			
Extra Bichd. bbls. NY.....gal	...	...	I .....280D	...	:.5.75			
Crude, No. 1, tanks Coast...gal	...	...	K .....280D	...	:.5.90			
Crude, No. 2, tanks Coast...gal	...	...	M .....280D	...	:.6.20			
Crude, No. 3, tanks Coast...gal	...	...	N .....280D	...	:.6.30			
			WG .....280D	...	:.7.00			
			WW .....280D	...	:.7.15			

**CHEMICAL SEABOARD COMPANY**

**Methanol**  
(Wood Alcohol)

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(All Grades)

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Brooklyn, N. Y.    Utica, N. Y.    Newark, N. J.

## Tannins and Dyestuffs

Chestnut, clarified, 25% tks. wks. lb	.02	.02%
Bbls., wks. .... lb	.02%	.02%
Powd., 60% 100 lb bbls. wks. lb	.05%	.05
Decolorized, bbls. wks. .... lb	.08	.09
Cudbear, English .... lb	.16	.17
Dutch, Rangoon, 100 lb bales .... lb	.13	.16
Borneo, solid, 100 lb bales .... lb	.04%	.05%
Liquid, 450 lb bbls. .... lb	.10	.11
Tablets, 120 lb boxes .... lb	.13	.14
Flavine .... lb	.90	.95
Fustic, solid 50 lb boxes .... lb	.20	.23
Crystals, 100 lb boxes .... lb	...	.20
Liquid, 51°, 600 lb bbls. .... lb	.10	.12
Gall extract .... lb	.16	.18
Gambier, 25% liq. 450 lb bbls. .... lb	.08%	.09%
Common, 200 lb cases .... lb	.10%	.11
Singapore cubes, 150 lb bags .... lb	.18	.19
HEMATINE, Paste, 500 lb bbls. .... lb	.11	.12
Crystals, 400 lb bbls. .... lb	.14	.20
Hemlock, 25% 600 lb bbls. wks. lb	.03%	.03%
Hyperic, 51°, 600 lb bbls. .... lb	.15	.16
Indigo, Madras bbls. .... lb	.85	.90
Manila, bbls. .... lb	...	1.30
Larch, 25%, 600 lb bbls., wks. lb	.03%	.03%
Powd. 100 lb bags, wks. .... lb	.07%	.08
Logwood, 51°, 450 lb bbls. .... lb	...	.12%
Lower grades .... lb	.07%	.10
Solid, 50 lb boxes .... lb	.13	.15
Madder, Dutch .... lb	.28	.30
Manrove, 55% 400 lb bbls. .... lb	.04%	.05
Myrobalan, 25% liquid bbls. .... lb	.04	.05
50% solid, 50 lb boxes .... lb	.04%	.05
Oak, tanks wks. .... lb	.04	.04%
23-25% liq. 600 lb bbls. wks. lb	.05	.05%

Osage Orange, 51° Liquid .... lb	.07	.08
Powd. 100 lb bags .... lb	.14	.15
Persian Berries .... lb	.27	.30
QUEBRACHO, 35% liquid tks. lb	.03	.03%
450 lb bbls. .... lb	.03%	.04
35% bleaching, 450 lb bbls. .... lb	.04%	.05%
Solid 65% 100 lb bales .... lb	.05	.05%
Clarified bales .... lb	...	.06
Quercitron, 51° 450 lb bbls. .... lb	.06%	.07%
Powdered, 100 lb boxes .... lb	.09	.13
Spruce, 25% liquid tanks wks. lb	.01	.01%
Powd. 50% 100 lb bags wks. lb	.02	.02%
Sumac, liquid 450 lb bbls. .... lb	.07	.09
Stainless, 600 lb bbls. .... lb	.07	.11

## DYE'S SUNDRIES

Albumen, technical, egg 200 lb cs. lb	...	...
Blood, domestic, 100 lb drs. lb	...	.45
Spray Yolk 150 lb cs. .... lb	.45	.65
British Gum, 140 lb bags c/l 100 lb	3.84	3.99
Bags, lc/l .... lb	3.94	4.09
Dextrin, corn 140 lb bags c/l 100 lb	...	3.49
Bags, lc/l .... lb	...	3.59
Yellow, bags c/l .... lb	...	3.54
Potato 220 lb bags c/l .... lb	...	.07%
Bags, lc/l .... lb	...	.07%
Yellow, 220 lb bags .... lb	...	.08
Tapioca, 200 lb bags, lc/l .... lb	.09	.10
Prussian blue .... lb	.60	.62
Sago Flour, 150 lb bags .... lb	.04%	.05
STARCH, powd. 140 lb bgs. c/l 100 lb	...	3.07
Bags lc/l .... lb	...	3.17
Pearl, 140 lb bags c/l .... lb	...	2.97
Potato, domestic, 200 lb bags. lb	.05	.05%
Imported, bags duty paid. lb	.08	.08%
Tapioca Flour, high grade bags .... lb	...	.07
Medium grade bags .... lb	.05%	.06
Low grade, bags .... lb	.04	.04%
Turkey Red Oil, bbls. .... lb	.11	.12
Yolk Oil, bbls. .... lb	...	.35

## Crude Drugs

Acetoides Gum, yel. .... lb	.18	.30
ACONITE Leaves, bales .... lb	.25	.27
Aconite Root, USP, bags .... lb	...	.50
Agar Agar, 1, 200 lb bales .... lb	1.55	1.60
No. 2, bales .... lb	1.50	1.55
No. 3, bales .... lb	1.40	1.50
Agaric, white, cases .... lb	...	4.25
Almonds, bitter bags bxs .... lb	.32	.35
Sweet, bags .... lb	.45	.48
Meal, tins, boxes .... lb	.23	.30
Aletris Root, bags .... lb	.60	.65
Alkanet Root, bags .... lb	.07	.08
Aloes, Barbadoes, 120 lb bbls. .... lb	.65	.70
Cape, 400 lb cases .... lb	.09	.10
Curacao, 100 lb cases .... lb	.11	.11%
Socotrine, whole 100 lb cs. .... lb	.30	.33
Althea Root, cut cases .... lb	.23	.25
Whole bags .... lb	.09	.10
Ambergris, black boxes .... lb	...	8.00
Grey, boxes .... lb	...	23.00
Ammoniac, tears, bags .... lb	.85	.90
Angelica Root, dom. bags .... lb	.14	.15
Angostura Bark, bags .... lb	.08	.10
Anise, Levant bags .... lb	.15	.16
Russian, bags .... lb	.14	.15
Star, cases .... lb	.12	.13%
Spanish, bags .... lb	.15%	.16
Anatto Seed, 200 lb bags .... lb	.21	.22
ARABIC GUM, .... lb	...	...
White, No. 1, 200 lb bags .... lb	.24	.25
Seconds, 250 lb bags .... lb	.24	.25
Sorts, amber, 200 lb bags, bbls. lb	.12%	.13%
Powd., USP, 300 lb bbls. .... lb	.21	.23
Areca Nuts, 150 lb bags .... lb	...	.09
Powd., 200 lb bbls. .... lb	...	.11
Arnica Flowers, bales .... lb	.12	.14
Root, Bags .... lb	.16	.18
Arrowroot, Amer. powd. bbls. .... lb	.08%	.09%
St. Vincent, powd. bbls. .... lb	.16%	.17
Asafoetida, USP, 250 lb cases .... lb	.22	.24
Powd. 50 lb bxs. .... lb	.48	.49
BALM GILEAD BUDS, bags .... lb	.50	.55
Balmory Herb, bales .... lb	...	.14

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Acid

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INCORPORATED

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Tartaric Acid

Cream of Tartar

For account of Tartar Chemical Works

355 W. ONTARIO ST.

CHICAGO  
SUPERIOR 8870

## Crude Drugs

<b>BALSAMS</b>			Cannabis, true imp. bags.....D	5.75	Clove, Zanzibar, 135 lb bales...D	.35	.38
Copaiba, Para, 80 lb cs.....D	.23	.35	American (no assay) bales....D	.30	Ambergass, bales.....D	...	...
South American, 80 lb cs....D	.27	.33	USP.....D	1.70	Penang, bales.....D	...	...
Fir Canada, cans.....gal	12.80	13.00	Cantharides, Chinese cases....D	1.05	Cochineal, USP, boxes.....D	.35	.37
Oregon, bbls., cans.....gal	1.60	1.85	Powdered, boxes.....D	1.25	Coca Leaves, Huancu bags.....D	...	...
Peru, 120 lb cases.....D	1.75	1.80	Cantharides, Russian, cases....D	1.25	Truxillo, bags.....D	...	.55
Tolu, 90 lb cases.....D	2.25	2.50	Powdered, boxes.....D	1.40	Cohosh Root, Black bags.....D	.14	.15
Hamboe Brier Root, bags.....D	.06	.07	Caraway Seed, African, bags....D	.24	Blue, bags.....D	.16	.17
Barberry Bark, tree bales.....D	.22	.34	Dutch, 110 lb bags.....D	.25	Colchicum Root, bags.....D	.08	.09
Bayberry Bark, bales.....D	.11	.12	Cardamom bleach cases.....D	1.50	Seed, bags.....D	.10	.11
Wax, bbls.....D	.26	.37	Decorticated, cases.....D	1.70	Colombo Root, whole bags.....D	.02½	.03
Belladonna Leaves, bales.....D	.22	.23	Green, grinding, bags.....D	1.45	Colocynth, apples, cases, bales...D	.17	.22
Root, bags.....D	.12	.13	Carnauba Wax, Flor. bags.....D	.52	Pulp, USP, bales.....D	.33	.35
Hees Wax, white bbls.....D	.36	.38	No. 1 N Country bags.....D	.40	Coltsfoot Leaves, bags.....D	.06	.07
Yellow, refined, bbls.....D	.21½	.22	No. 2 N Country bags.....D	.24	Comfrey Root, bags.....D	.13	.14
Crude, bags.....D	.23	.24	No. 3 Fatty Gray, bags.....D	.18½	Condurango Bark, bales.....D	.13½	.13
Henzoil Gum, Siam, boxes.....D	1.30	1.35	No. 3 Chalky, bags.....D	.19½	Conium Seeds, bags.....D	...	.16
Sumatra, 80 lb boxes.....D	.37	.38	Cascara Amarga, 150 lb bales....D	.30	Copaiba Balsam Para, see Balsams		
Herberis Aquifolium Root, bags..D	.14½	.15	Cascara Sagrada, bales, Old....D	.28	Copal Gum.....D	.12	.13½
Reth Root, bags.....D	.30	.32	New.....D	.27	Coriander Seed, Bombay bags....D	.05	.07
Blackhaw Bark, root, bales.....D	.40	.41	Cascarella Bark, quills bales....D	.36	Morocco, bags.....D	.10½	.10½
Tree, bales.....D	.28	.30	Siftings, bbls.....D	.20	Bleached, bags.....D	.14½	.15½
Hood Root, bags.....D	.15	.16	Cassia Buds, 66 lb cases.....D	.12½	Corn Silk, bales.....D	.05½	.06
Huefing Root, bags.....D	.23	.25	China, select, mats cases.....D	.09	Cotton Root Bark, bales.....D	.18	.20
Roldo Leaves, bales.....D	.20	.21	Saigon, assort. bales.....D	.24	Cramp Bark, so-called bales....D	...	.08
Boneset Herb, bales.....D	.08	.11	Cassia Fistula, baskets.....D	.10	True, bags.....D	.40	.42
Borage Flowers, bales.....D	.18	.20	Castor Beans, bags.....D	.03	Cranebill Root, bags.....D	.10	.11
Rryonia Root, bags.....D	.09	.10	Castoreum, 1 lb bot.....D	4.00	CUDES BERRIES, XX bags.....D	.70	.75
<b>SUCHU LEAVES, short, 250 lb</b>			Catechu Gum, bags.....D	.09	Powdered, boxes.....D	.75	.78
bales.....D	.88	.93	Catnip Herb, bales.....D	.15	Culvers Root, bags.....D	.35	.38
Long, bales.....D	.98	1.03	Celery Seed, 220 lb bags.....D	.26	Cumin Seed, Levant bags.....D	.27	.28
Buckthorn Bark, bags.....D	.06	.07	Ceresin Wax, white bags.....D	.09	Morocco, bags.....D	.27	.29
Burdock Root, bags.....D	.19	.20	Yellow, 200 lb bags.....D	.08	Cuttlefish Bone, Trieste, straps..D	.14	.15
Burgundy Pitch, dom. 110 lb stands			<b>CHAMOMILE FLOWERS, Roman</b>			...	.55
Gross for net.....D	...	.05	bales.....D	.95	Jewellers, large, straps.....D	...	.35
Calabar Beans, bags.....D	.12	.14	Hung. cases bales.....D	.08	French, straps.....D	.15	.16
Calamus Root, bleached cases....D	.35	.38	Charcoal Willow, powd. bbls....D	.06	Powdered, boxes.....D	...	.13
Unbleached, bags.....D	.07½	.08	Wood, powd. bbls.....D	.04	Broken, boxes.....D	.07	.07½
Calendula Petals, imp. bales....D	...	.30	Chestnut Bark, bags.....D	.07	Damar Gum, 136 lb cases.....D	.25½	.26
Calisaya Bark, bales, powd.....D	.27	.30	Herb, bales.....D	.05	Damiana Leaves, bales.....D	.14	.16
Camphor, see Chemicals			Chicle Gum, bags.....D	.75	Dandelion Root, imp. bags.....D	.28	.30
Canary Seed, Morocco bags.....D	...	.06	Chiretta, bales.....D	.10	Deer Tongue Leaves, bales.....D	.09	.10
South American, bags.....D	.05½	.06	Cinchona Bark, red quills bales..D	.45	Digitalis Leaves, bales.....D	.07	.08
Candellia Wax, bags.....D	.23	.25	Broken, bales.....D	.28	Dill Seed, bags.....D	.08½	.09
Canella Alba Bark, bales.....D	.51	.52	Cinnamon, Ceylon, bales, bond..D	.32			
			Civet, Abyssin horns.....om	2.75			
			Clover Tops, bags.....D	.27			

## Ceylon Cinnamon

## Oil Cinnamon Leaf

## Oil Citronella

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## Crude Drugs

Dogwood Bark, Jamaica bags....lb	.10 1/4	.12	Grindella Robusta Herb, bales....lb	.07	.07 1/4	LADY SLIPPER ROOT, bags....lb	.51	.55
Flowers, bales.....lb	..	.15	Gualac Gum, 80 lb cases....lb	.28	.30	Larkspur Seed, bags.....lb	1.00	1.10
Hogwarts Root, USP, cut bags....lb	.13	.14	Guarana, tins, cases....lb	.60	.70	Laurel Leaves, bales.....lb	.04 1/4	.05
Dragons Blood, mass cases....lb	.45	.50	GUM, see Arabic Gum, etc.			Lavender Flowers, Ordinary....lb	.32	.35
Reeds, boxes.....lb	1.15	1.25	HELLEBORE ROOT,			Selected.....lb	.38	.42
ECHINACEA ROOT, bags.....lb	.26	.31	Black, bbls.....lb	.08	.10	Leeches, tubs.....Per 100	..	6.00
Elicampene Root, bags.....lb	.09	.10	Powdered.....lb	.15	.17	Lemon Peel, bags.....lb	.09	.10
Elder Flowers, bags.....lb	.14	.16	White, Powd. 250 lb bbls....lb	.16	.17	Licorice Root, Russian whole....lb	.07 1/4	.08
Klemi Gum, 89 lb cases....lb	.10	.11	Helonias Root, (unicorn false) bags.....lb	.88	.90	Spanish, natural bales.....lb	.09	.09 1/4
Elm Bark, select, 5 lb bundles cases lb	.29	.31	Hemp Seed, Manchurian bags....lb	.05	.05 1/4	Powdered, bbls.....lb	.09	.09 1/4
Grinding, bags.....lb	.10	.12	Chilian, bags.....lb	..	..	Selected, 2 & 5 lb bundles....lb	.16	.20
Powdered, bbls.....lb	.23	.24	No assay.....lb	.35	.38	Cuttings, 125 lb bags.....lb	.07	.07 1/4
ENGOT, 150-200 lb bags.....lb	.36	.38	Henbane Leaves, bales, USP....lb	.30	.35	Life Everlasting Herbs, bales....lb	.05	.06
Eucalyptus Leaves, bales.....lb	..	.05	Henna Leaves, bales.....lb	.12	.13	Lime Juice, clarified bbls....gal	.50	.60
Euphorbia Pilulifera Herb, bags..lb	.15	.17	Powdered.....lb	.15 1/4	.16	Linden Flowers, with leaves, bales lb	.14	.16
Euphorbia Gum, cases.....lb	..	.32	Honey, Calif., 120 lb cases....lb	.11 1/4	.12	Without Leaves, bales.....lb	.50	.52
Powdered, boxes.....lb	..	.40	Hops, N. Y. prime bales.....lb	.23	.25	Liverwort Leaves, bales.....lb	.20	.22
Fennel Seed, French, bags.....lb	.16	.17	Pacific Coast prime bales....lb	.20	.23	Lobelia Herb, bales.....lb	.22	.24
German, bags.....lb	.18	.19	Horhound Herb, bales.....lb	.10	.11	Lobelia Seed, bags.....lb	.62	.65
Indian, bags.....lb	.12	.12 1/4	Horsetail Rush, bags.....lb	..	.15	Lovage Root, Imported, bags....lb	.20	.22
Flax Seed, whole 180 lb bbls....ca	13.00	13.50	India Gum, see Karaya			Lupulin, boxes.....lb	1.40	1.50
Ground, 180 lb bbls.....lb	.07 1/4	.08	INSECT FLOWERS, open whole bales.....lb	..	..	Domestic.....lb	1.80	1.40
Foenugreek Seed, 200 lb bags....lb	.05 1/4	.06	Closed whole, bales.....lb	..	..	Lycopodium, 88 lb ca.....lb	.37	.39
Fish Berries, 100-125 lb bags....lb	.02 1/4	.03	Powdered, pure 200 lb bbls....lb	.65	.70	MACE, Siam, No. 1 cases.....lb	.44	.45
Fringe Tree Bark, bags.....lb	.19	.20	Flowers and stems, 50 lb. ca. 200 lb bbls.....lb	.38	.40	Randa, No. 1 cases.....lb	.50	.52
GALANGAL ROOT, bags.....lb	.08	.09	Ipecac Root, Cartagena, bags....lb	2.10	2.20	Ratavia, cases.....lb	.58	.59
Galbanum Gum, cases.....lb	.80	.95	Powdered, 220 lb bbls. boxes..lb	2.55	2.65	Walva Flowers, blue bales....lb	.27	.30
Gambier Gum, bags.....lb	.09	.10	Rio Whole, bags.....lb	2.10	2.20	Black, bales.....lb	.65	.75
Gamboge Gum, 160 lb cases....lb	.85	.90	Powdered, 200 lb bbls. boxes..lb	2.55	2.65	Manna, large flake cases.....lb	..	..
Powdered, cases.....lb	.90	1.00	Isinglass, American, 130 lb ca....lb	.75	.85	Small flake, cases.....lb	.37	.40
Gelsemium Root, bags.....lb	.11	.11 1/4	Russian (Beluga) bxs. ctms....lb	4.50	5.50	Sorts, cases.....lb	.27	.30
Gentian Root, bags.....lb	.08	.08 1/4	JABORANDI LEAVES, bales.....lb	.16	.18	Mandrake Root, bags.....lb	.21	.22
Ginger, African, bags.....lb	.16	.17	Jalap Root, whole, 150 lb bags..lb	.88	.95	Mastic Gum, 120 lb cases....lb	.70	.75
Jamaica, grinding, bags bbls....lb	.37	.43	Powdered, USP, 250 lb bbls....lb	.39	.40	Meserum Bark, bags.....lb	.11	.12
Japan, bags.....lb	.17	.17 1/4	Japan Wax, 224 lb cases.....lb	.17 1/4	.18	Matico Leaves, bales.....lb	.20	.22
Cochin, ABC & lemon, bags....lb	.18	.18 1/4	Jos's Tears, white bags.....lb	.25	.30	Marjoram Leaves, German bales..lb	.17 1/4	.18
Ginseng Root, cultivated, bags..lb	8.00	10.00	Juniper Berries, 125 lb bags....lb	.08	.03 1/4	French, bales.....lb	.13 1/4	.14 1/4
Northern Wild, bags.....lb	14.00	15.00	KAMALA, boxes.....lb	1.35	1.45	Millet Seed, dom. yellow bags....lb	.03 1/4	.05
Southern Wild, bags.....lb	10.00	12.00	Karaya Gum, powdered, bbls....lb	.15	.20	Montan, Wax, crude bags.....lb	.04	.04 1/4
Golden Seal Root, bags.....lb	3.45	3.55	Kava Kava Root, bags.....lb	.18	.17	Bleached.....lb	..	..
Powdered, boxes.....lb	3.70	3.75	Kino Gum, black cases.....lb	.50	.55	Moss, Iceland bales.....lb	.08	.09
Grains of Paradise, bags.....lb	.12	.14	Kola Nuts, 150 lb bags.....lb	.05	.06	Irish, bleached bales.....lb	.10	.12
			Kousso Flowers, bags.....lb	..	3.00	Mullein Flowers, tins.....lb	1.25	1.30

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NEW YORK


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Sole Agents U. S. A.

KITAGUMI JAPAN WAX

## Crude Drugs

Musk, pods, Cabardine, tins.....	16.00	17.00	Patchouli Leaves, bales.....	.22	.25	Rosemary Flowers, cases bales.....	.28	.30
Tonquin.....	22.00	25.00	Pepper, black Sling, bags.....	.11	.11½	Rose Petals, pale.....	.22	.25
Grain Cab.....	25.00	26.00	White, bags.....	.14	.14½	Red.....	.65	.70
Tonquin.....	35.00	38.00	Peppers, red Mombasa, bags.....	.16	.16½	Rue Herb, bales.....	.30	.35
Synthetic, see Chemicals.....			Cherries, bags.....	.14	.15	SABADILLA SEED, bags.....	.16	.17
Musk Root, Russian bags.....			Bombay, bags.....	.15	.15½	Powder, bbls.....	.17	.18
Mustard Seed, Bari brown bags.....	.08½	.09	Pennyroyal Herb, bales.....	.08	.12	Saffron Flowers, Amer. bales.....	.78	.80
Bombay, brown.....	.08½	.09	Peppermint Leaves, imp. bales.....	.38		Valencia, 1 lb cans.....	34.00	35.00
California, brown.....	.08½	.09	Domestic leaf.....	.32	.34	Sage, Dalmatian bales.....	.05½	.06½
Yellow.....		.09	Peru Balsam, see Balsams.....			Greek, bales.....	.04½	.05½
Chinese yellow.....	.04	.04½	Pitch Leaves, bags.....	.23	.25	Spanish, bales.....	.03	.03½
English, yellow.....	.08½	.09	Pimento, select bags.....	.05½	.05½	Sandalwood, chips bags.....		.30
Dutch, yellow.....	.08	.08½	Pink Root, true bags.....		1.05	Ground, bags.....		.35
Danish, yellow.....	.08½	.09	Pitch, Burgundy, see Burgundy Pitch.....			Sandarac Gum, 300 lb bbls.....	.22	.23
Myrrh Gum, select 200 lb cases.....	.35	.37	Pleurisy Root, bags.....		.22	Sarsaparilla Root Honduras, bales.....	.81	.85
Sorts, cases.....	.33	.35	Plantain Leaves, bales.....		.15	Mexican, bales.....	.26	.28
NUTGALLS, Chinese, bags.....	.17	.18	Poke Berries, bags.....		.07½	Sassafras Bark, ordinary bales.....	.13	.15
Aleppy, bags.....	.14	.15	Pomegranate Bark, of root bags.....		.30	Select, bales.....	.30	.32
Nutmegs, 110s cases.....	.28½	.28	Of Fruit, bags.....		.30	Savory Leaves, bales.....	.08½	.09½
75s, 80s cases.....	.30	.31	Of tree.....		.30	Saw Palmetto Berries, bags.....	.10	.11
Nux Vomica Buttons, bags.....	.08	.07	Poppy Flowers, red bags.....	.25	.27	Scammony Resin, boxes.....	1.40	1.60
Powdered, 200 lb bbls.....	.08½	.09	Poppy Seed, Dutch, bags.....	.09½	.10	Scammony Root, bags.....	.08½	.07
OAK BARK, red bags.....		.06	German, bags.....		.10½	Senega Root, bags.....	.63	.67
White, bags.....	.06	.07	Turkish, bags.....	.08	.08½	SENNA, Alex. 150 lb cases.....	.24	.25
Olibanum Gum, sift 280 lb cases.....	.09½	.10	Blue Indian, bags.....	.08	.08½	Half Leaf, 350 lb bales.....	.18½	.19½
Tears, 280 lb cases.....	.12	.13	White Indian, bags.....	.07	.07½	Siftings, 400 lb bales.....	.13	.14
No. 1, all white, 350 lb cases.....	.21	.22	Prickly Ash Bark Southern, bags.....	.14	.14½	Powdered, 200 lb bbls.....	.14	.15
Optum, gum USP cases.....	8.00	10.00	Northern, bags.....		.16	Tinnevely, job, 350 lb bbls.....	.11	.16
Granular, cans.....	9.00	11.00	Prickly Ash Berries, bags.....	.12	.14	Grinding, 350 lb bales.....	.07	.09
Powdered, USP, cans.....	9.00	11.00	Prince's Pine, bales.....	.35	.38	Powdered, 200 lb bbls.....	.09	.10
Orange Flowers, cases.....	.50	1.00	Pulsatilla Herb, bags.....	.22	.25	Pods, 350 lb bales.....	.14	.16
Orange Peel, bitter bags.....	.07½	.07½	Pumpkin Seed, bags.....	.14	.16	Serpentaria Root, bags.....	.80	.85
Sweet, bags.....	.08	.08½	QUASSIA CHIPS, bags.....	.07	.03	Shellac, T.N., bags.....	.63	.64
orris Root Picentine bold bags.....	.07	.08	Queen of the Meadow Herb, bags.....		.06	Superfine Orange, bags.....	.68	.70
Powdered, 200 lb bbls.....	.11½	.12	Quince Seed, bags.....	.95	1.10	D. C., bags.....	.81	.82
Verona, bags.....	.05	.06	RAPE SEED, South Amer. bags.....	.06½	.07	V. S. O., cases.....	.81	.82
Powdered, 200 lb bbls.....	.07½	.08	Dutch, bags.....	.05½	.07	Pwd. reg., 350 lb bbls.....		.71
Fingers, cases.....	.58	.60	Japanese, small, bags.....	.05½	.06	Regular Bleached, 350 lb bbls.....		.65
Osokerite Wax, brown hard bags.....	.22	.24	Raspberries, dried boxes.....	.56	.60	Bone, Dry, 350 lb bbls.....	.73	.75
Green, hard bags.....	.25	.26	Red Saunders.....	.17	.19	Simaruba Bark, bales.....	.09	.10
Refined, yellow bags.....			Rhatary Root, bags.....		.08½	Sideritis Herb, cut bags.....		.18
PAPRIKA, bags.....	.17	.22	RHUBARB, H. D., cases.....	.34	.36	Skullcap Leaves, bales.....		.85
Hungarian.....	.27	.27	Powdered, 200 lb bbls.....	.42	.44	Sloe Berries, bags.....	.03	.04
Pareira Brava Root, bags.....	.19	.20	Rosemary Leaves, bales.....	.04½	.05			
Parsley Seed, bags.....	.08½	.09						



## Alkaloids

AND

## Fine Chemicals

Caffeine

Caffeine Citrate

Theobromine Alkaloid

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## PODOPHYLLIN

U. S. P.

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U. S. P.

## COLCHICINE

U. S. P.

Anesthesin      Cinchophen

Barbital          Procaine

Synthetic Chemicals, Alkaloids,

Extracts and Concentrations

The Abbott Laboratories

CHICAGO, ILL.

## Crude Drugs

Snake Root, Canada natural bags. lb	.43	.45
Stripped, bags	...	.55
SOAP BARK, whole, 150-200 lb		
bales	.07%	.09
Cut, 125-175 lb bags	.09%	.10
Crushed, 200 lb bbls.	.11%	.12%
Powdered, 200 lb bbls.	.12	.14
Spearment Leaves, American bales. lb	.24	.25
Spermaceti, blocks cakes cases.	.39	.41
Spikenard Root, bags	.26	.28
Spruce Gum, boxes	1.00	1.50
Squaw Zine, bales	...	.17
Stavesacre Seed, bags	.28	.29
Stone Root, bags	.09	.10
Storax, liquid artif.	.70	.75
Gen. USP	.90	1.00
St. Ignatius Beans, bags	.22	.23
St. John's Bread, bags	.04	.06
Stramonium Leaves, bales	.08	.09
Stramonium Seed, bags	.12	.13
Strophanthus Seed, Hispidus	.35	.40
Kombe, bags	.80	.35
Sunflower Seed, domestic bags.	.07	.07%
South American, bags	.06	.07%
TAGALDER BARK, bags	...	.05
Tamarinds, bbls.	...	.06%
Kegs	...	3.50
Tansy Herb, bales	.18	.20
Tar, Barbadoes, 50 gal. bbls.	1.60	1.75
Thus Gum, 280 lb bbls.	...	.05%
Thyme, Spanish bales	.07	.07%
French, bales	.08%	.09
Tilia, See Linden		
Tolu Balsam, see Balsams		
Tongo Bark, bags	.30	.31
Tonka Beans, Angustura, cases.	2.35	2.35
Para, cases	.75	.80
Surinam, cases	.80	.85

Tragacanth Gum, No. 1, ribbon	1.35	1.40
200 lb cs.	1.00	1.35
No. 2 to No. 6, cases.	.95	1.00
Powdered, 50 lb boxes.	.75	.90
Turkish, cases	...	.90
Turmeric Root, Madras bags.	.10%	.11
Aleppy, bags	.09	.09%
China, bags	.08	.08%
Turpentine, Venice, true 80 lb cs.	.16%	.18
Artificial, 80 lb cases.	.14	.15
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Uva Ursi Leaves, bales.	.07	.07%
VALERIAN ROOT, Belgian bags.	.09	.10
Vanilla Beans Mex. whole cases.	10.00	12.00
Cuts, cases	6.25	6.50
Bourbon, cases	6.25	6.50
South American, cases	6.00	6.25
Tahiti, yellow label cases.	...	...
Green Label, cases	...	...
Violet Flowers, bags	.65	.70
Wahoo BARK, of root bags.	1.00	1.05
Of Tree, bags	.46	.48
White Pine Bark, rosed, bags.	.07	.08
White Poplar Bark, bags.	.04	.05
Wild Cherry Bark, thin green		
Rosed, bales	.15	.16
Thick Rosed, bales	.09	.10
Thin Natural, bales	.14	.15
Thick Natural, bales	.07	.08
Willow, bark bags	...	.06
White, bags	...	.15
Witch Hazel Bark, bags.	...	.07
Witch Hazel Leaves, bales	...	.09
Worm Seed, American bags.	.09	.10
Levant bags	...	4.00
Wormwood Herb, imported bales.	...	.10
Yacca Gum, red	.04	.04%
Ground	.05%	.06%
YELLOW DOCK ROOT, bags.	.12	.14
Yellow Parilla Root, bags.	.16	.17
Yerba Santa, bags	.10	.11
Zedary Root, bags	.08	.10

## Essential Oils

Almond Bitter USP 5 lb. bots.	3.25	3.75
Bitter fl PA 5 lb. bots.	3.50	3.75
Artificial (See Benzaldehyde—Chemicals)		
Sweet, 56 lb cans	.33	.34
Peach Kernel, 55 lb tins.	.24	.25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins.	.70	.75
Rectified, 25 lb tins.	.90	1.00
Angelica Root, 1 lb bot.	38.00	39.00
Seed, 1 lb bot.	36.00	38.00
ANISE, Tech., 68 lb case.	.40	.42
USP, 50 lb tins	.42%	.45
Bay, 25 lb tins.	2.50	2.60
Bergamot, 25 lb coppers.	2.75	3.00
Artificial, 25 lb cans.	2.00	2.25
Birch Tar, rect. 5 lb bot.	1.10	1.15
Crude, 50 lb tins	.60	.65
Bois de Rose, 25 lb tins.	3.25	3.50
Cade, USP, 25 lb tins.	.35	.40
USP, 5 lb bot.	.45	.50
Cajuput, native, 50 lb tins.	.80	.85
Calamus, 5 lb bot.	4.25	4.75
Camphor, heavy, 1000 lb drums.	.12%	.13%
Japanese, white, 72 lb cases.	.13%	.18
White, 1000 lb drums.	.13	.15
Cananga, native 25 lb tins.	2.25	2.50
Rectified, 25 lb tins	2.75	3.00
Caraway, USP	8.25	8.50
Cardamom, USP, 1 lb bot.	30.00	33.00
Carrol, 5 lb bot.	16.00	18.00
CASSIA, 75-80 p.c. 68 lb cases.	1.85	1.90
Redistilled, USP, 50 lb cans.	2.65	2.75
Cedar Leaf, 50 lb tins.	1.05	1.10
Cedar Wood, light 1000 lb drums.	.28	.30
Celery, 1 lb bot.	9.50	10.50
Cinnamon, Ceylon, 1 lb bot.	11.00	12.50
Leaf, 5 lb bot.	...	2.00
CITRONELLA, Ceylon, 1000 lb drs.	.95	1.00
50 lb tins	1.00	1.10
Java, 400 lb drums.	1.05	1.10
50 lb tins	1.10	1.15
Cloves, USP, 50 lb cans.	2.50	2.60
5 lb bot.	2.60	2.70

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## Essential Oils

Copaiba, USP, 50 lb tins.....	D	.85	: 40
Coriander, USP, 1 lb bot.....	D	16.00	: 17.00
Croton, USP, 25 lb tins.....	D	1.00	: 1.10
Cubeba, USP, 5 lb bot.....	D	5.25	: 5.50
Cumin, 1 lb bot.....	D	14.00	: 15.00
Dill, 1 lb bot.....	D	4.25	: 5.00
Erigeron, 20 lb tins.....	D	1.25	: 1.35
EUCALYPTUS, Austl. USP			
56 lb cs.....	D	.72½	: .75
500 lb drums.....	D	...	: .70
Fennel USP, 25 lb tins.....	D	1.05	: 1.10
Geranium, Algerian, 25 lb tins.....	D	7.50	: 8.00
Bourbon, 25 lb tins.....	D	7.00	: 7.50
Turkish, 25 lb tins.....	D	4.50	: 4.75
Ginger, 1 lb bot.....	D	5.75	: 6.00
Gingergrass, 25 lb tins.....	D	2.75	: 3.00
Hemlock, 50 lb cans.....	D	1.10	: 1.20
Juniper Berries, USP, 25 lb tins.....	D	1.25	: 1.35
Wood, 50 lb tins.....	D	.60	: .70
Lavender, USP, 25 lb tins.....	D	4.50	: 6.00
Spike, Spanish, 50 lb cans.....	D	.70	: .80
LEMONGRASS, Ital. USP, 25 lb tins.....			
American, USP, 25 lb tins.....	D	.72	: .85
Lemongrass, native, 50 lb cans.....	D	.70	: .75
Limes, express, 25 lb tins.....	D	1.60	: 1.70
Distilled, 25 lb tins.....	D	1.00	: 1.05
Linaloe, Mex. 80 lb cans.....	D	2.60	: 2.75
Mace, distilled, 50 lb tins.....	D	1.25	: 1.35
Mirbane, ref., see Ar. Chemicals			
Mustard, USP, 1 lb bot.....	D	...	: 14.00
Artif., USP, 1 lb bot.....	D	3.45	: 3.60
Neroli, Bigarade, ¼ & 1 lb bot.....	D	40.00	: 60.00
Petale, 1 lb bot.....	D	70.00	: 120.00
Artificial, 1 lb bot.....	D	10.00	: 25.00
Nutmeg, USP, 25 lb tins.....	D	1.25	: 1.35
Orange, bitter, 25 lb tins.....	D	2.65	: 2.75
Sweet, W. Ind., 25 lb tins.....	D	2.35	: 2.45
Italian, 25 lb cop.....	D	3.00	: 3.30
American, 25 lb tins.....	D	2.80	: 2.85
Origanum, 50 lb cans.....	D	.80	: .85
Parsley, 1 lb bot.....	D	3.50	: 4.00
Patchouli, 5 lb bot.....	D	6.75	: 7.00
Peppercorn, dom. 25 lb tins.....	D	1.95	: 2.25
Imported, 25 lb tins.....	D	1.90	: 2.00
PEPPERMINT, nat. 60 lb cases.....	D	3.25	: 3.35
Mediat., USP, 60 lb cases.....	D	3.45	: 3.55
Petit Grain, S. Am. 25 lb tins.....	D	1.75	: 1.85
French, 1 lb bot.....	D	7.00	: 8.00
Italian, 25 lb tins.....	D	2.25	: 2.35

Pimento, 25 lb tins.....	D	2.00	: 2.10
Pinus Sylvestris, 25 lb tins.....	D	...	: 1.75
Pumilio, USP, 25 lb tins.....	D	...	: 2.75
Rose, Fr., 8, 16 & 32 oz. pkgs. cs	D	...	: 9.00
Bulg., 8, 16 & 32 oz. pkgs. cs	D	...	: 9.00
Artificial, 1 lb bot.....	D	2.00	: 3.00
Rosemary, USP, 27½ lb tins.....	D	.40	: .42
1000 lb drums.....	D	...	: .37½
Tech., 27½ lb tins.....	D	.35	: .40
Rue, 1 lb bot.....	D	...	: 4.25
Sandalwood, E. Ind. USP, 76 lb cases.....	D	6.75	: 7.00
W. Indian, (Amirys) 25 lb tins.....	D	3.00	: 3.25
Sassafras, USP, 50 lb cans.....	D	1.90	: 2.05
Savin, 5 lb tins.....	D	.38	: .42
Spearment, USP, 60 lb cases.....	D	2.85	: 3.00
Spruce, 50 lb tins.....	D	2.40	: 2.50
Tansy Amer., 20 lb tins.....	D	1.10	: 1.20
Tar, 50 gal. bbls.....	D	4.25	: 4.35
Refined, USP 25 lb tins.....	D	.25	: .26
Thyme, red, USP 25 lb tins.....	D	...	: 1.05
White, USP 25 lb tins.....	D	1.05	: 1.10
Tech., 110 lb drums.....	D	1.15	: 1.25
Velvert, Bourbon, 1 lb bot.....	D	.85	: .90
Java, 1 lb bot.....	D	7.25	: 7.50
Wine, heavy 1 lb bot.....	D	28.00	: 30.00
WINTERGREEN			
Sweet bch., 25 lb tins.....	D	...	: 2.50
Southern, 25 lb tins.....	D	...	: 3.00
Gaultheria, true 25 lb tins.....	D	1.85	: 2.00
Southern, 25 lb tins.....	D	6.50	: 7.00
Synthetic, USP, 50 lb cases.....	D	4.00	: 4.25
Wormseed Bait, USP, 25 lb tins.....	D	...	: .47
Wormwood dom., 25 lb tins.....	D	7.00	: 7.50
Ylang Ylang, Bourbon 10 lb tins	D	4.00	: 4.25
No. 1.....	D	7.00	: 9.00
No. 2.....	D	5.00	: 6.00
Manila, 1 lb bot.....	D	28.00	: 35.00
Artificial, 1 lb bot.....	D	10.00	: 12.00
OLEORESINS			
Aspidium, USP, 1 lb bot.....	D	2.75	: 3.00
Capicum, USP, 5 lb bot.....	D	2.50	: 2.75
Ginger, 5 lb bot.....	D	3.00	: 3.10
Cubebs, USP, 1 lb bot.....	D	4.75	: 5.00
Malefern, See Aspidium	D	...	: 18.00
Orris, 1 lb bot.....	D	...	: 3.50
Pepper, black, USP, 1 lb bot.....	D	9.50	: 10.00
Vanilla, 1 lb bot.....	D	...	: 10.00

## Aromatic Chemicals

## NATURAL DERIVATIVES

Anethol, 2 lb bot.....	D	1.60	: 2.00
Borneol, 1 lb bot.....	D	...	: 3.50
Citronella, 1 lb bot.....	D	2.00	: 2.25
CITRAL, 25 lb cans.....	D	2.75	: 3.00
EUCALYPTOL, USP, 25 lb cans.....	D	.80	: .85
Eugenol, USP, 25 lb cans.....	D	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....	D	3.25	: 3.50
Imported, 5 lb bot.....	D	4.25	: 5.50
Extra.....	D	...	: 4.50
Iso-Eugenol, 1 lb bot.....	D	4.50	: 5.00
Imported.....	D	5.50	: 6.00
Linalool, 5 lb bot.....	D	8.00	: 9.00
MENTHOL, 60 lb cases.....	D	...	: 10.25
Less cases, 5 lb cans.....	D	...	: 10.75
Rhodinol, 1 lb bot.....	D	15.00	: 20.00
SAFROL, 60 lb cans.....	D	.48	: .50
Thymol, USP, 25 lb tins.....	D	3.00	: 3.25

## SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot.....	D	1.75	: 2.00
Acetophenone CP, 1 lb bot.....	D	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot.....	D	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.....	D	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.....	D	50.00	: 55.00
Aldehyde, C-12 (Dodecyl), 1 lb bot.....	D	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....	D	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....	D	70.00	: 80.00
Aubepine. see Anisic Aldehyde			
Amyl Acetate, pure, 5 gal. cans.....	D	7.00	: 8.00
Amyl Butyrate, 1 lb bot.....	D	2.00	: 2.10
Amyl Formate, 1 lb bot.....	D	2.25	: 3.00
Amyl Phenyl Acetate, 1 lb bot.....	D	8.50	: 9.00
AMYL SALICYLATE, dom. 100 lb chys.			
Imported.....	D	1.45	: 1.50
Amyl Valerate, 5 lb bot.....	D	2.25	: 2.50
Anisic Aldehyde, 1 lb bot.....	D	4.75	: 5.00
BENZALDEHYDE, USP, 40 lb chys.....	D	1.50	: 1.60
FFC, 40 lb chys.....	D	1.60	: 1.75
Benzole Ether, See Ethyl Benzene	D	...	: 6.75
Pepper, black, 1 lb bot.....	D	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....	D	1.55	: 1.75

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and  
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for  
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Benzyl Alcohol, 5 lb bot.....	1.60	: 1.70	Iso-Butyl Benzoate, 5 lb bot.....	4.75	: 5.00	Skatol, 1 oz. bot.....	9.25	: 10.00
BENZYL BENZOATE, 5 lb bot.....	1.60	: 1.75	Iso-Safrol, 1 lb bot. imported.....	5.25	: 5.50	TERPINEOL, CP, 1000 lb drums.....	.50	: .51
Medicinal FFC.....	1.75	: 2.00	Domestic, 5 lb bot.....	4.00	: 4.25	Cans 50 lb.....	.52	: .54
Benzyl Butyrate, C.P., 1 lb bot.....	5.50	: 6.00	Linalyl Acetate, 1 lb bot. Dom.....	7.00	: 10.00	Imported, 25 lb cans.....	.95	: 1.20
Benzyl Cinnamate, 1 lb bot.....	10.00	: 10.50	Imp., 1 lb bot.....	8.50	: 10.00	Terpinyl Acetate, 25 lb cans.....	1.85	: 1.85
Benzyl Formate, 1 lb bot.....	3.00	: 3.25	Linalyl Benzoate, 1 lb bot.....	13.00	: 14.00	VANILLIN, USP, 400 oz. cans.....	.50	: .50 1/2
Benzyl Propionate, 1 lb bot.....	5.00	: 5.35	Linalyl Formate, 5 lb bot.....	10.00	: 12.00	Cans, 16 oz., 80 oz.....	.50 1/2	: .51 1/2
Bornyl Acetate, 1 lb bot.....	2.75	: 3.25	METHYL ANTHRANILATE dom.,			Valerianic Ether, See Ethyl Valerate		
Bromstyrol, 25 lb kegs.....	4.00	: 4.25	1 lb bot.....	3.25	: 3.75	Yara Yara, 1 lb cans.....	1.75	: 2.00
Butyric Ether, See Ethyl Butyrate			Imported.....	4.50	: 5.00			
Cinnamic Acid, 5 lb cans.....	3.00	: 3.25	Methyl Benzoate, 5 lb bot. import.....	2.00	: 2.25			
Cinnamic Alcohol, Liquid 1 lb bot.....	10.00	: 14.00	Domestic, 5 lb bot.....	1.75	: 2.00			
Crystallizable.....	12.00	: 16.00	Methyl Cinnamate, 1 lb bot.....	3.75	: 4.00			
Cinnamic Aldehyde, 1 lb bot.....	3.20	: 3.50	Methyl Heptenoate, 1 lb bot.....	8.00	: 8.25			
CITRONELLOL, 1 lb bot.....	9.00	: 11.00	Methyl Heptene Carbonate, 1 lb bot.....	50.00	: 70.00			
Citronellyl Acetate, 1 lb bot.....	13.00	: 13.00	Methyl Paracresol, 1 lb bot.....	8.00	: 9.00			
COUMARIN, 25 lb cans.....	4.50	: 4.65	Methyl Phenylacetate, 1 lb bot.....	6.25	: 6.50			
DIETHYL PHTHALATE, 25 lb cans.....	.50	: .60	Methyl Phenylacetate, 5 lb bot.....	6.00	: 6.50			
1000 lb drs.....	.50	: .55	METHYL SALICYLATE, USP 500 lb					
Diphenylsulfide, 25 lb tins.....	.25	: .30	drums.....	.45				
Ethyl Acetate, pure, 5 lb bot.....	.45	: .50	50 lb cans.....	.47				
Ethyl Benzoate, 5 lb bot.....	1.25	: 2.00	Second Hands.....	.43	: .44			
Ethyl Butyrate, 5 lb bot.....	2.00	: 2.35	Mirbane, rect., 1000 lb drums.....	.12 1/2	: .14			
Ethyl Caproate, 1 lb bot.....	3.25	: 3.50	Musk Ambrette, 1 lb cans.....	14.00	: 15.00			
Ethyl Cinnamate, 1 lb bot.....	3.75	: 4.00	Musk Ketone, 1 lb cans.....	15.00	: 16.00			
Ethyl Formate, 5 lb bot.....	2.00	: 2.10	Musk Xylene, 5 lb cans.....	8.50	: 3.75			
Ethyl-methyl Paracresol, 1 lb bot.....	3.25	: 3.50	Nerolin, 1 lb cans.....	1.65	: 2.00			
Ethyl Propionate, 1 lb bot.....	2.25	: 2.50	Oenanthalic Ether, 100%, 1 lb bot.....	2.25	: 3.00			
Ethyl Valerate, 5 lb bot.....	4.50	: 4.75	Oenanthalic Ether, 5 lb bot.....	1.25	: 1.50			
Formic Ether, See Ethyl Formate			Phenylacetaldehyde, Dom.,					
Geranyl Acetate, 1 lb bot.....	4.25	: 4.75	1 lb bot.....	9.50	: 10.50			
Geranyl Butyrate, 1 lb bot.....	13.00	: 13.50	Imported.....	10.00	: 12.00			
Geranyl Formate, 1 lb bot.....	12.00	: 12.50	Phenylacetic Acid, 1 lb bot.....	3.00	: 3.25			
Hydroxycitronellal, 1 lb bot.....	15.00	: 18.00	Phenyl Diacetate, 1 oz. bot.....	3.25	: 3.50			
Heliotropin, dom., 10 lb bot.....	1.85	: 2.00	Phenyl propyl Alcohol, 1 lb bot.....	13.00	: 14.00			
Imported.....	2.50	: 2.75	PHENYLETHYLALCOHOL dom.,					
Indol, CP, 1 oz. bot.....	6.00	: 6.50	1 lb bot.....	8.00	: 10.00			
Ionone, 1 lb bot.....	5.00	: 9.00	Imported.....	9.00	: 10.00			
Alpha.....	10.00	: 12.00	Phenylethyl Butyrate, 1 lb bot.....	25.00	: 26.00			
Beta.....	9.00	: 11.00	Phenylethyl Formate, 1 lb bot.....	18.00	: 19.00			
Methyl.....	12.50	: 15.00	Phenylethyl Propionate, 1 lb bot.....	19.00	: 20.00			
			Phenylethyl Valerate, 1 lb bot.....	23.50	: 24.00			
			Phenylpropyl Alcohol, 1 lb bot.....	16.00	: 16.00			

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**ACETIC ANHYDRATE**—15 carboys, R. W. Greff & Co., Liverpool

**ACIDS**—Arsenic, 400 cs., Wah Chang Trdg. Co., Shanghai; 65 drs., Nat. City Bank, Antwerp; 48 cs., Schulz & Ruckgaber, Antwerp; 127 drs., Chem. Nat. Bank, Antwerp; Arsenious, 90 bbls., Amer. Metal Co., Tampico; Citric, 300 bbls., L'Appula Soc. Anon., Genoa; 40 bbls., Order, Messina; Cresylic, 35 drs., Caldwell & Co., Rotterdam; 11 drs., Lunham & Reeves, Rotterdam; 23 drs., De Mattia Chemicals, Liverpool; Oxalic, 16 cs., Superfos Co., Rotterdam; Stearic, 20 cs., M. W. Parsons & Plymouth, Rotterdam; 85 bgs., Lamont Corliss Co., Rotterdam; Tartaric, 400 cs., Order, Palermo; 300 cs., Order, Palermo; 610 cs., W. Neuberg, Rotterdam; 200 kegs, 100 cs., W. Benkert, Rotterdam

**ALCOHOL**—Butyl, 1 bbl., Amer. Exp. Co., Havre; 4 bbls., De Mattia Chem. Inc., Havre; 11 drs., Order, London

**ALOE**—140 cs., Suzarte & Whitney, Curacao; 415 cs., R. Desvernine, Curacao

**AMMONIUM**—2 cylinders, Morris & Co., London; Carbonate, 8 bbls., Order, Liverpool; Muriate, 225 cs., C de P. Field Co., Bristol; Persulfate, 16 drs., 10 bbls., Globe Shpg. Co., Antwerp

**ANTIMONY**—150 cs., Wah Chang Trdg. Co., Shanghai; Regulus, 150 cs., Order, Hamburg; 330 cs., Columbia Bk., Hankow; 790 cs., Wah Chang Trdg. Co., Shanghai

**ARGOLS**—8 cs., Tartar Chem. Wks., Leghorn; 28 pgs., C. B. Richard & Co., Naples; 29 cs., Tartar Chem Wks., Naples; 74 cs., Tartar Chem. Wks., Naples; 46 cs., Tartar Chem. Wks., Naples; 601 bgs., C. Pfizer & Co., Rotterdam; 358 bgs., C. Pfizer & Co., Rotterdam

**ARSENIC**—196 cs., Order, Liverpool; 69 cs., J. D. Lewis, Antwerp; 45 cs., White Tar Co., Antwerp; 63 cs., Schulz & Ruckgaber, Antwerp; 42 cs., Order, Antwerp; 75 cs., Chem. Nat. Bank, Antwerp; 443 cs., Order, Antwerp; 123 bbls., Amer. Smelt. & Ref. Co., Tampico; 31 bbls., Order, Bordeaux; Sulfide, 10 kgs., Order, London

**BARIUM**—Chlorite, 20 bbls., Roessler & Hasslacher Chem. Co., Hamburg; Hydrate, 13 bbls., E. Suter & Co., Hamburg; Peroxide, 23 drs., A. Peuchot Inc., Liverpool

**BARK**—Cinchona, 10 cs., 262 bbls., Order, Rotterdam; 20 bgs., S. B. Penick & Co., Rotterdam; 29 bgs., Brown Bros. & Co., Rotterdam; 21 bgs., Order, Rotterdam; 125 pgs., Amer. Exp. Co., Colombo

**BARYTES**—650 bgs., N. Y. Trust Co., Bremen; 250 bgs., H. H. Kastor, Rotterdam; 400 bgs., N. Y. Trust Co., Bremerhaven; 300 bgs., Order, London

**BERRIES**—Juniper, 100 bgs., Order, Leghorn

**BUTYL ACETATE**—12 drs., Lunham & Reeve, Rotterdam

**CAPOC**—1,411 bbls., Fearon Brown Co., Batavia

**CASEIN**—417 bgs., West Virginia Pulp & Paper Co., Buenos Aires; 4,999 bgs., Kalbfleisch Corp., Buenos Aires; 835 bgs., Internat. Accept. Corp., Buenos Aires; 766 bgs., Brown Bros. & Co., Buenos Aires

**CHALK**—241 bbls., Cooper & Cooper, Hamburg; 300 bbls., Bankers Trust Co., Antwerp; 1,606 bgs., Brooklyn Trust Co., Antwerp; 300 bgs., L. H. Butcher & Co., Antwerp; 400 bgs., Brown Bros. & Co., Antwerp; 1,100 bgs., Order, Antwerp; 1,250 bgs., H. J. Baker & Bros., Bristol; 1,400 bgs., Brown Bros. & Co., Antwerp; 6,410 bgs., Cooper & Cooper, Antwerp; 1,000 bgs., Central Union

Trust Co., Antwerp; 500 bgs., C. B. Chrystal, Antwerp; 1,000 bgs., L. A. Salomon & Bro., Antwerp; 715 bgs., Guaranty Trust Co., Antwerp; 550 bgs., Order, Antwerp; 500 tons, Taintor Trdg. Co., London

**CHEMICALS**—30 cs., Order, Hamburg; 325 cs., Stanley Doggett Inc., Rotterdam; 250 cs., W. Van Doorn, Rotterdam; 70 pgs., Order, Rotterdam

**CINCHONINE**—15 cs., R. W. Greff & Co., Rotterdam

**CLAY**—230 cs., E. Thiele, Rotterdam; 10 cs., Roessler & Hasslacher, Rotterdam; 100 bgs., Amer. Pipe Clay Works, Bristol; 100 tons, Lunham & Moore, Bristol; 302 tons, Moore & Munger, Bristol; 100 cs., Eagle Pencil Co., Bristol; China, 325 bgs., Bankers Trust Co., Bristol; 80 bgs., C. T. Wilson & Co., Bristol; 2 bgs., Papermakers Imptg. Co., Bristol; 200 bgs., Order, Bristol

**COAL TAR**—Distillate, 163 drs., Order, Liverpool; Preparations, 5 cs., 1 ck., Franklin Imp. & Exp. Co., Hamburg

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Bros. & Co., Messina; 50 cs., Order, Messina; **Linaloe**, 2 dms., Order, Vera Cruz; **Orange**, 51 cs., Brown Bros. & Co., Messina; 50 cs., Order, Messina; **Patchouli**, 1 cse., C. T. Wilson & Co., Singapore; 2 cs., Bk. of Manhattan Co., Singapore; **Rosemary**, 6 bbls., Order, Barcelona

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**SUMAC**—2,120 bgs., Order, Palermo

**TALC**—200 bgs., L. A. Salomon & Bros., Genoa; 200 bgs., Order, Genoa; 300 bgs., Bankers Trust Co., Genoa

**TAPIOCA**—742 bgs., Order, Penang; 414 bgs., Catz Amer Co., Batavia; 173 bgs., Catz Amer Co., Batavia; 892 bgs., Order, Batavia; Flour, 808 bgs., Schulz & Ruckgaber, Batavia; 375 bgs., Equit. Trust Co., Batavia; 1,550 bgs., Catz Amer Co., Batavia; 250 bgs., Stein Hall & Co., Batavia; 5,705 bgs., Order, Batavia; 899 bgs., Order, Samarang; 935 bgs., Bk. of N. Y. & Trust Co., Cheribon; 1,512 bgs., Catz Amer Co., Sourabaya; 372 bgs., Order, Penang; Pearl, 287 bgs., Schulz & Ruckgaber, Batavia; 376 bgs., Catz Amer Co., Batavia; 748 bgs., Order, Penang; 220 bgs., Catz Amer Co., Batavia; 260 bgs., Stein Hall & Co., Batavia; Siftings, 102 bgs., Stein Hall & Co., Batavia

**TARTAR**—157 sks., C. Pfizer & Co., Marseilles

**THORIUM NITRATE**—20 cs., Nat. Amer. Bk., Hamburg

**VALONIA**—3,724 bgs., Order, Constantinople

**VANILLA**—Beans, 11 bls., Order, Batavia; 132 cs., Catz Amer Co., Samarang; 22 cs., G. Lueders & Co., Southampton; 3 cs., H. Triest & Co., Vera Cruz; 18 cs., J. N. Limbert & Co., Marseilles; 18 cs., Thurston & Bradich, Marseilles; 57 cs., Dodge & Olcott, Marseilles

**WAX**—7 cs., C. A. Redden, Havre; 16 bgs., Order, Alexandria; Bees, 50 cs., Amer. Exch. Nat. Bk., Hamburg; 110 bgs., Pond Extract Co., Rotterdam; 75 cs., Strall & Pitsch, Rotterdam; 35 cs., Order, Rotterdam; 72 bgs., Order, Southampton; 3 bbls., Order, Durban; 2 serons, J. A. Thomen, Monte Cristi; Carnauba, 501 bgs., Nat. Bk. of Commerce, Parnahyba; 158 bgs., Nat. City Bk., Ceara; 168 bgs., Order, Ceara; 141 bgs., Nat. City Bk., Ceara; 72 bgs., Lazard Freres, Ceara; 278 bgs., Order, Ceara; Montan, 950 bgs., Order, Bremen

**WOODFLOUR**—4 bgs., S. H. Bergstrom, Gothenburg

**WOOD GREASE**—32 bbls., Schenkers Inc., Hamburg

**ZINC**—Oxide, 200 csks., E. M. & F. Waldo, Antwerp; 135 bbls., Philipp Bros., Antwerp; 1 cse., E. Fougere & Co., London

H

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### Hoshi Pharmaceutical Co.

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H

# SAN FRANCISCO IMPORTS CRESYLIC ACID

Imports at San Francisco during the week of Dec. 22, included the following: On steamer President Hayes, from Buenos Aires, to Armour & Co., 529 tons bones, to Crocker National Bank, 541 bags tartar, to First National Bank of Boston, 1,029 bags tanning extract. On steamer Sachsen, from Hull, to order, 35 drums cresylic acid; from London, to order, 80 bags gum copal and 250 bags white barytes, and to Meyer Wilson & Co., 500 bags potash.

On steamer Maunganui, from Raratonga, to Atkins, Kroll & Co., 416 gunnies copra and to Wightman & Crane, 1,613 gunnies copra; from Papeete, to Henry Gray & Co., 1,427 sacks copra; to Wightman & Crane, 5,104 sacks copra; to Kidder, Peabody & Co., 977 sacks copra; to Atkins, Kroll & Co., 2,393 sacks copra and to order 5,167 sacks copra. On steamer West Cactus, from Manila, to El Dorado Oil Works, 975 tons copra; from Singapore, to Atkins, Kroll & Co., 64 bags gum damar, and to order, 5 bags gum damar and 100 bags pearl sago.

On steamer Shinyo Maru, from Hongkong, to Ti Hang Lung, 200 cases vegetable oil; from Kobe, to Withits, Inc., 76 bags ginger and to Charles Cable Co., 30 barrels vegetable oil. On steamer Sonoma, from Pago Pago to Wightman & Crane, 47 sacks cocoa beans and to First National Bank, 2,175 bags copra. On steamer Author, from Liverpool, to order, 475 bags cocoa, and 850 bags soda ash.

H. A. Brochers, a representative of the Department of Agriculture of California, division of chemistry, has opened offices at Visalia, Cal., and will assist farmers and retailers in examination of fertilizers, sprays and chemicals used for the control of pests and for treatment of the soil.

# URUGUAY HAS NEW PERFUME TARIFF

New valuations for duty on perfumes and toilet articles imported into Uruguay have been fixed by the committee appointed under the law of Sept. 19, 1923, and became effective Nov. 8, not to be changed for at least three years, writes Consul Thomas H. Bevan. The valuations on cosmetics in general, cologne, and similar toilet waters, and scented paper have been virtually doubled; and those on vaselines, perfumery extracts, cold creams, fine face powders, and liquid and powdered dentifrices, greatly increased. The increase in valuations for soaps is comparatively small. No change was made in the valuations on tooth paste, Florida water and similar preparations, and ordinary face powder; and that on mustache wax was greatly reduced.

A campaign will begin in the drug and chemical trades, on Jan. 15, to recruit 1,000 men to serve as scoutmasters of Boy Scout Troops. The drive will be limited to the effort to obtain men, and no solicitation for funds will be attempted. In Greater New York there are (estimated) approximately 250,000 boys between the ages of twelve and eighteen, a great majority of whom do not have the benefit of any organized leisure time activity. There are at the present time 23,000 Boy Scouts in the Greater City with some 3,000 men giving volunteer service. A. W. Procter, secretary of The Boy Scout Foundation says it is necessary to increase the volunteer force by at least 1,000.

The Department of Agriculture and Geological Survey figures for white arsenic available during 1924 give 28,000 tons from all sources of which 15,000 tons will be needed for calcium arsenate production. This 28,000 tons of white arsenic was erroneously given as calcium arsenate in DRUG & CHEMICAL MARKETS last week.

## HEAVY CHEMICALS

The industries that use chemicals are vitally interested in the prices, tax and tariff rulings, and other news that affects their production costs.

## DRUG & CHEMICAL MARKETS

through its price changes, news items and special articles by leaders in their lines, reaches the BIG BUYERS of heavy chemicals.

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Interesting sales facts on application.

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Address "Wants & Offers"  
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 3 Park Place, New York.

## BUSINESS OPPORTUNITIES

**SELLING AGENCY**—New York chemical importing and jobbing house with an established office selling organization and own warehouse facilities is desirous of taking on the sole representation of a reputable manufacturer producing a staple commodity. Interview solicited. Box 537, DRUG & CHEMICAL MARKETS.

**FOR SALE**—Old established Import and Manufacturing Business, (Botanical Drugs). Reason Advanced age. Stock is high grade and well assorted. Cash required \$5,000. Rest in notes endorsed by responsible parties. Box 533, DRUG & CHEMICAL MARKETS.

**SUCCESSFUL** Chemical Engineer will invest capital with services in proposition of merit in any line allied to the Chemical Industry. Box 564, DRUG & CHEMICAL MARKETS.

**ADVERTISING**—If you desire to have your Want Ad read by people in the trade, try this page. While the average newspaper is about one or two percent effective as far as chemical wants are concerned, this page is read 100% by makers, sellers, and buyers of chemicals, drugs, and allied products. Five cents per word—one dollar minimum.

**SPONGES**—Process for increasing life of sponges making them more resilient, tougher, non-rotting, etc. Endorsed by large users and covered by patent. Commercially a repeater. Box 545, DRUG & CHEMICAL MARKETS.

**EXPORT FIRM** desires services of young aggressive salesman with \$5,000 to \$10,000 capital, familiar with chemical products going to Japan. We do not want money—we do want efficient services backed by money for which we offer a substantial interest in the business. Box 551, DRUG & CHEMICAL MARKETS.

**WE HAVE** an excellent business. It's growing and we need help. A small amount of capital with the services of an active, intelligent young man with experience in the selling of fine and pharmaceutical chemicals will help both us and you. Box 552, DRUG & CHEMICAL MARKETS.

**SELLING AGENCIES** exist because they are economical. Consult us and learn how to reduce your selling overhead. Pay us only when we do something for you. Industrial Chemicals, Box 553, DRUG & CHEMICAL MARKETS.

## SITUATIONS WANTED

**EXTRACT CHEMIST**—Widely experienced along Imitation Flavors, True Fruits, Emulsions and allied products, for the bottling trade, bakery and household uses, seeks connection with progressive firm. Box 536, DRUG & CHEMICAL MARKETS.

**CHEMICAL SALESMAN**—Experienced and reliable man will be open for engagement after January first because of change in firm's ownership. Box 519, DRUG & CHEMICAL MARKETS.

**CHEMICAL ENGINEER**, M. I. T. graduate two years practical experience in factory and development work on starches and dextrines, desires connection where originality and resourcefulness are required. Box 531, DRUG & CHEMICAL MARKETS.

**BUYER**, live wire executive, nine years active experience with finest houses, drugs, chemicals, oils, botanicals, allied products, desires immediate connection. Box 532, DRUG & CHEMICAL MARKETS.

**A MAN** who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

**SALESMAN**—Thorough knowledge of Heavy Chemicals and knows where to go and who to see to sell them. Can be available after February first. Box 548, DRUG & CHEMICAL MARKETS.

**YOUNG MAN**, married, age 28, practical knowledge of chemistry—several years plant experience—desires opportunity with sales force of company selling heavy industrial chemicals. Box 556, DRUG & CHEMICAL MARKETS.

**EXPERIENCE**—5 years selling dye intermediates, young, aggressive and ambitious. Desires connection with large organization. Box 549, DRUG & CHEMICAL MARKETS.

**MORE EXPERIENCE** is desired by a buyer, 6 years experience with one of largest chemical manufacturing concerns. Still employed. Desires opportunity selling heavy or fine chemicals or both. 30 years old, unmarried, best of references. Box 559, DRUG & CHEMICAL MARKETS.

## SITUATIONS WANTED

**TRAFFIC MAN**—4 years with large chemical company—familiar with chemical freight classifications and problems. Can take executive charge of your traffic department. Box 550, DRUG & CHEMICAL MARKETS.

**SALESMAN**—Drugs and Chemicals, knows the field, particularly New York and vicinity. Young and married. Available after February. Box 553, DRUG & CHEMICAL MARKETS.

**CHEMIST**—Young man (24) desires analytical or testing work with manufacturing concern. Experienced. Box 563, DRUG & CHEMICAL MARKETS.

## HELP WANTED

**SALESMAN** or chemist acquainted with Celuloid, Pyroxalin, Cellulose Nitrate, Acetate, etc. Box 546, DRUG & CHEMICAL MARKETS.

**PHARMACEUTICALS**—Young men, college graduates, Pharmacy training highly desirable, wanted for thorough training in manufacturing pharmaceutical field with view to permanent place in organization of a large, old established firm. Box 542, DRUG & CHEMICAL MARKETS.

**SALESMEN**—Salesmanagers and executives throughout the chemical industry read DRUG & CHEMICAL MARKETS every week. If you desire to make a new connection, a Want Ad on this page will be read by real chemical people who are in need of salesmen. Use a specialized medium to reach a specialized field. Five cents per word—one dollar minimum per insertion.

**SHIPPING CLERK**—Capable of developing into warehouse manager wanted by a large chemical manufacturer. Energy, integrity and good judgment needed. Box 539, DRUG & CHEMICAL MARKETS.

**SALESMAN**—Importer of heavy chemicals with established connections in Europe needs a live chemical salesman. Half time in New York City and half in New England. Only experienced, successful men need apply. Box 543, DRUG & CHEMICAL MARKETS.

**PLANT CHEMIST**—Capable and experienced man wanted in dye plant. Strong personality and executive ability just as necessary as technical training and skill. Salary commensurate with full responsibility. Box 540, DRUG & CHEMICAL MARKETS.

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Also other equipment, consisting of feeder-boy, chain buckets, elevators, discharge spouts, sulphur-cars and motors.

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**OLD HICKORY POWDER PLANT**

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**HELP WANTED**

WANTED—Salesman acquainted with consumers and jobbers of chemicals to connect with established brokerage firm on brokerage basis. Good opportunity. Box 544, DRUG & CHEMICAL MARKETS.

FATTY OILS—Well known importer wants services of a high grade, experienced man to handle telephone quotations. Box 538, DRUG & CHEMICAL MARKETS.

WANTED—Surplus, abandoned stocks of chemicals, colors, oils, waxes, glues, etc.—opportunity to dispose of dead stock before inventory. Box 535, DRUG & CHEMICAL MARKETS.

**DRUGS AND CHEMICALS**

FOR SALE—Ten kegs oxalic acid—what offer? Box 560, DRUG & CHEMICAL MARKETS.

WANTED—All sorts of patent medicines and toilet preparations. When you take your inventory is the time to clean out your dead stock. I have a ready market for all brands and specialties and am ready to offer highest spot cash. Send me your list. Box 561, DRUG & CHEMICAL MARKETS.

**DRUGS AND CHEMICALS**

WILL BUY for repacking, odd lots of soda bicarbonate, citric acid, borax, cream of tartar, or paris green. Must be priced right. Give full particulars in first letter. Box 562, DRUG & CHEMICAL MARKETS.

**DRUGS AND CHEMICALS**

VACUUM STILL, 6—75 gallon copper stills, perfect condition. Used less than 6 months. Box 555, DRUG & CHEMICAL MARKETS.

CENTRIFUGALS, 3 Tolhurst extractors, motor driven center slung type. 72 inch baskets. Located near New York. See them before buying. Box 557, DRUG & CHEMICAL MARKETS.

**PLANT EQUIPMENT**

FOR SALE—Carboy Bottles 3½-5-7½, 12 and 15 gallon sizes, in small or large quantities. Box 547, DRUG & CHEMICAL MARKETS.

FOR SALE, Air dryers, steam-heated, for chemicals. 3 ft. 6 in. diam., 25 and 30 ft. long. Former government equipment at real bargains. Box 554, DRUG & CHEMICAL MARKETS.

**DRUGS AND CHEMICALS**

WANTED—All sizes and quantities of new and second hand carboys, steel drums and wooden barrels. Box 500, DRUG & CHEMICAL MARKETS.

WANTED—Enameled lined jacketed kettles, wooden tanks, also wooden filter presses 30" to 36". Give your available sizes and prices. Box 506, DRUG & CHEMICAL MARKETS.

FOR SALE—Carload usable second hands 12 gallon carboys. Also carload 7 gallon carboys ideal for storage or inter-plant service. Box 513, DRUG & CHEMICAL MARKETS.

**MISCELLANEOUS**

ASK THE Bureau of Employment of the Chemists' Club (Agency) 53 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or works. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee.

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For full particulars as to products and addresses see Index of Advertisers on the page following.

### HEAVY CHEMICALS

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J. T. Baker Chemical Co.  
Battelle & Renwick  
C. W. Campbell Co.  
Carus Chem. Co.  
Chilean Nitrate Committee  
Church & Dwight  
The Cleveland-Cliffs Iron Co.  
Chas. Cooper & Co.  
Diamond Alkali Co.  
The Dow Chemical Co.  
E. I. du Pont de Nemours & Co.  
Ellis Jackson & Co.  
English China Clays Sales Corp.  
B. G. Feinberg  
General Chemical Co.  
Grasselli Chemical Co.  
W. F. George Chemicals, Inc.  
Wm. S. Gray & Co.  
R. W. Greeff & Co.  
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Harshaw, Fuller & Goodwin Co.  
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International Salt Co.  
Jayne & Sidebottom, Inc.  
A. Klipstein & Co.  
Chas. Lennig & Co., Inc.  
Mathieson Alkali Works, Inc.  
The Miner-Edgar Co.  
Monsanto Chemical Works  
Clarence Morgan & Co.  
The New Brunswick Chem. Co.  
Henry W. Peabody & Co.  
Nichols Copper Co.  
Pfaltz & Bauer  
A. P. Rippenbein  
Roessler & Hasselacher Chem.  
Rohm & Haas Co.  
Seaboard Chemical Co.  
Solvay Process Co.  
Eugene Suter & Co.  
Thorkildsen-Mather Co.  
Victor Chemical Works  
The Warner Chemical Co.  
Wilkes-Martin-Wilkes Co.  
Isaac Winkler & Bro. Co.  
Wishnick-Tumpeier Chemical Co.  
Jacques Wolf & Co.

### FINE CHEMICALS

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Baird & McGuire  
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W. Benkert & Co.  
David Berg Industrial Alcohol Co.  
Carbide & Carbon Chem. Corp.  
Carus Chem. Co.  
Antoine Chiris Co.  
Commonwealth Chemical Corp.  
Charles Cooper & Co.  
Darco Sales Corp.  
J. E. Dockendorff & Co.  
The Dow Chemical Co.  
Eastman Kodak Co.  
Electro Bleaching Gas Co.  
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E. Fougere & Co.  
The Fries & Fries Co.  
William S. Gray & Co.  
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Magnus, Mabce & Reynard, Inc.  
Mallinckrodt Chemical Works  
Mathieson Alkali Wks., Inc.  
May & Baker  
H. A. Metz & Co.  
The Miner-Edgar Co.  
Monsanto Chemical Works  
Clarence Morgan & Co.  
N. Y. Quinine & Chem. Works  
The Norvell Chemical Corp.  
Perth Amboy Chem. Wks.  
Pfaltz & Bauer  
Powers-Weightman-Rosengarten  
B. Presman Company  
Roessler & Hasselacher Chem. Co.  
Rhodia Chem. Co.  
C. P. Schlicke  
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Thorkildsen-Mather Co.  
Geo. Uhe  
Ungerer & Co.  
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Victor Chemical Works  
Victor & Hosken  
Wilkes-Martin-Wilkes Co.  
Wishnick-Tumpeier Chemical Co.

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Dye Products & Chem. Co.  
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Gary Chem. Co.  
Grasselli Chemical Co.  
The Heller & Metz Co.  
H. A. Metz & Co.  
National Aniline & Chemical Co.  
The New Brunswick Chem. Co.  
Newport Chemical Works  
Wishnick-Tumpeier Chemical Co.  
Jacques Wolf & Co.

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Baird & McGuire  
The Barrett Co.  
Calco Chemical Co.  
John Campbell & Co.  
Dovan Chemical Co.  
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Dye Products & Chem. Co.  
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Monsanto Chemical Works  
National Aniline & Chemical Co.  
Newport Chemical Works  
The Norvell Chemical Corp.  
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Delphi Products, Inc.  
J. E. Dockendorff & Co.  
The Fries & Fries Co.  
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B. Presman Company  
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Ortho Nitro Toluol

Ortho Toluidine

Para Toluidine

Sodium Naphthionate

N W Acid

R Salt

Cleves Acid

Para Nitro Toluol

Toluidine Base

Meta Phenylene Diamine

Meta Toluylene Diamine



Newport Chemical Works, Inc.

Passaic, New Jersey





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ACETONE	ETHYL OXALATE
AMMONIUM SALTS	ETHYL PHTHALATE
AMYL ACETATE	ETHYLENE
CARBON DIOXIDE	ISOBUTYL ALCOHOL
ETHER, ABSOLUTE	ISOPROPYL ALCOHOL
ETHER, ANESTHESIA	IODINE, DISTILLED
ETHER, U. S. P.	MONACETIN
ETHYL ACETATE	NORMAL PROPYL ALCOHOL
ETHYL ACETO-ACETATE	POTASH SALTS
ETHYL ALCOHOL, ABSOLUTE	POTASSIUM IODIDE
ETHYL ALCOHOL, C. P. 96%	REFINED FUSEL OIL
ETHYL FORMATE	SPECIAL ESTERS
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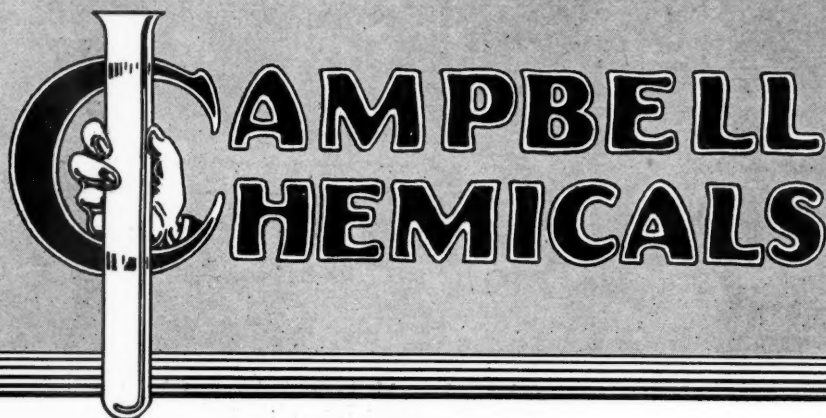
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